

SEQUENCE LISTING

<110> Munger, William E.
Kulkarni, Prakash
Getzenberg, Robert H.
Waga, Iwao
Yamamoto, Jun

<120> Identifying Drugs for and Diagnosis of Benign Prostatic
Hyperplasia Using Gene Expression Profiles

<130> 44921-5029-US

<140>

<141>

<150> US 60/223,323

<151> 2000-08-07

<160> 746

<170> PatentIn Ver. 2.1

<210> 1

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA004699

<400> 1

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ggcctgagcg cctgggaagt ctcttgaggt tgcaggaatc tccagagaaa cataggcgct 120
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<211> 287

<212> DNA

<213> Homo sapiens

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<400> 2

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agtggaacgt gtcaaacaga aatggtgaca atgagttaga actgcagttg tttcaaggta 120
ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tgttatcact acaagtagga 180
attagaagag agaaatcctg gcagtctgtc tagaggttaa aacatttcat gcatttgtga 240
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<210> 3

<211> 468

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<221> unsure
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<223> n = a or c or g or t

<400> 3
aggtacttca aaagccacat ttaattcaaa ataaaatgag catttctgac agatgacaac 60
agtatgaaac tgattttttt ctttcctaga tacaaaaatg atatggggca tttcttaaca 120
gttttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180
ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240
cttgaacaa tttcatgctt acacatgac acaaacattt gtttttagat gttgtggaat 300
tactggagct gagatttctg aaacaatc tgaatccttag cagagagata ataatccttt 360
cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420
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<210> 4
<211> 163
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA017063

<220>
<221> unsure
<222> (1)..(163)
<223> n = a or c or g or t

<400> 4
cgcangatga ncacttccgc ggggatgct cccggttctg ctgaggagg caggccgact 60
cagggcgagg tttggtcctg aaaaaatggg gtggggcggt tacctcttac cgcttgggac 120
cttgggacct cttnttgacc ccaggaagag attagaagcc ctt 163

<210> 5
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA019034

<400> 5
tatctttaca aatgacagaa tatattattaa caataccttt aaaaaagatt acatatgcta 60
gatcactggg aaatatcatt tacactgggg ttgggaactc cctgggtgtc attttttttc 120
gttcatttta ttattttgct gatttttttt ttgcatgtga ttttaaattt tatttcaaca 180
tagaagtaac catatc 196

<210> 6
<211> 482
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA019433

<220>

<221> unsure

<222> (1)..(482)

<223> n = a or c or g or t

<400> 6

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ttttttttta agtaaaagaa aaagtgcggc tgttaccaat ctgaagtggg agcagccgca 60
cttttttttt ttttttttaa gtaaaagaaa atttattatg aaactaaagg aataaaagaa 120
tgaccactcc ataggcagag aaacgtcact ttaagggtttt gacatcaatt gatttttgtc 180
caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240
tcaaggctctg ctgaactctg gatccaggct gtgtcaacag ggtagtgtgg tgcctcctgt 300
acctgtcttg gcctcctaca gtccttttta cttattttgt tttttagaat tagagacagg 360
gtcttactat gttgtcaga ctgggnttca aactcctagg ctcaagcaat cttccagcct 420
cagcctccta aaagtgtctg ggattacagg catgagccac canaccggg ccaagttctt 480
tt                                                                 482
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<210> 7

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA022886

<220>

<221> unsure

<222> (1)..(245)

<223> n = a or c or g or t

<400> 7

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taaaacccca tgagatattt atataaagtt actcagattt gggccgacat ggcttatctg 60
aagagtgcac gccgggtaaa ttcagggtgg cttttttctc agggctctga agtgtgagag 120
tttctggggc agactttttc cggggccgat ctttggaac ggacagaaat tcgggtgcgt 180
ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240
ccccg                                                                 245
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<210> 8

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA025370

<400> 8

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ggatggaata caatttccaa tagtgtctag gccgacaccc ctccaccctc ctttgctgt 60
cattcaagtc aataccctgg agaaaagagg ctgtggggga ggccatgttc gattaggagg 120
tttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180
tgtaataaag ggggtggctgc agcacggtga ttgttatgag aacatcccca ccgcccact 240
tttgtttgaa gactttcgta ctgaactaca tgtgttttac tttcaacaac gtatacacta 300
cagttgacaa aagttaatct cggtgataag aatatgc                                                                 337
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<210> 9
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA026641

<220>
 <221> unsure
 <222> (1)..(411)
 <223> n = a or c or g or t

<400> 9
 tttntntgca aagagaaata ggctcgttta ttnattcatt gatcaactgg cacttcttga 60
 aancctgctg tgtgccaagc ctttccccaaggaggatat cagtgnnnna gnaagtctca 120
 ggggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
 atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
 cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
 canaantcac tnggnacttn ccaagggttn cnccttggtg ggnttngggg ggttnnacagg 360
 ggncccgga nttnatgcnc caagtttcng ggcaaanatt tcttttttcc c 411

<210> 10
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA028092

<400> 10
 tagcaatata aagaaagatt tattttcaaa agtagcaaaa cttgtttgaa aaaaatatat 60
 atctttaagt gaattacttt ataaatgtga ctgtcaaagt cagctatcct atgatctaca 120
 ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
 attacatatt gcacttggac cagcaaggct tgcagagtca ttcacggtag aagttaataa 240
 agttaaatag atgggaatct ttgtaagtac aattgatctc ctctggtttg gaaacgaatc 300
 tctctgctgt tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360
 aagcagagac agagagcact gagggcaggg gtgcgcttcc cggggcccg ccccccggg 420
 aggcggcctt tcccagactc gcacctcaa ggtcaggacg cgggtggttc a 471

<210> 11
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA029356

<220>
 <221> unsure
 <222> (1)..(422)
 <223> n = a or c or g or t

<400> 11
 gctctcagag gacaagaatt atgttttatt catttgggag tacataggcg gtattttaa 60
 aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttccgt gtgggggacta 120


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atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
taacttataa agcattcatc tgcattgttat aagatattac agtaaataca attaggtact 240
taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300
ttttaaagan ctattttaaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360
atggtagtgg caacagcact cgtggatggt tacngntaaa taaaaatacc tagtattccg 420
gg                                                    422

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<210> 12
<211> 253
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA029597

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<400> 12
gccagaacca aacgtctcct tttattgcaa ggtcaaacc ttttcatttt gtctatttat 60
acagaatttt cactaaggac tgctcgacgc aacagctgtg agtacattgg tccaaccatt 120
aataaatagt cttaaataag aaaacaaaca ggttgaagga aagcaagctc atcgtcctga 180
acgagggatt aaaggggggg ggtgttcaaa agagcttttg atggaaataa ataattctct 240
tgctttgtaa cac                                                    253

```

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<210> 13
<211> 186
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA031360

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<220>
<221> unsure
<222> (1)..(186)
<223> n = a or c or g or t

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<400> 13
aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc nagccnttag 180
ggtnc                                                    186

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<210> 14
<211> 206
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA036900

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<220>
<221> unsure
<222> (1)..(206)
<223> n = a or c or g or t

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<400> 14
ctttgctacc ttctgcttgt tgagttgttt tggcattcat attaaaagcc agcatctcac 60

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tatttattga caggttgggc tgtgtgtgtg cgcattgtgtg tatacatttc caggcgtgcc 120
tgtgtcctgt agcttttttaa aaggaaaccc agtcatccca ctatgaatct ggcattcttc 180
tatgcttcta gtgttttggc canaca 206
```

```
<210> 15
<211> 494
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA039935
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<220>
<221> unsure
<222> (1)..(494)
<223> n = a or c or g or t
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<400> 15
ttcagttttt ggtcatttta attgtaaaaa ccaagacatt tatataaata agaccgctgt 60
gtaaaatacg attcaccctt ctacgaaaac ccttttccca cactcgaaan gaanatagaa 120
aaccacagcag agagcagtac aantcagcat gcggtccng atagctgaag tctcgggng 180
gccagtgggt cctgcggaa naggcttcgt nggtgganag nactcctggc ccaggtggnc 240
ccaccagann ntcnntgacc ntctcnanga gacttgcna gtangcagct ccnnacacc 300
agccccttgn gtctcaantn tacgggtcca aggaggggac gggaaaggct gcttgggtccc 360
caccaaggct tggggggctg ggggggctg ctggcccagt gaagatgcag tggctctgttc 420
agcctggggt caagttgggg gaaagggtt ctgaggggtc agcacctccc cagaggacaa 480
ggagagaagc tgcn 494
```

```
<210> 16
<211> 421
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA040433
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```
<220>
<221> unsure
<222> (1)..(421)
<223> n = a or c or g or t
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<400> 16
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tatctgcaac tgtaggtct ttgttatgtc ttggtcactt tgtctggact ggccgtgacc 120
ttcagctcca gggctctggc taggaagacg ttccagtgc cttcgtggg gccagcgagc 180
agtcggaagt gctgtgcctc tttctggaag tcttgcttcc tgactttctt gatctgagtc 240
aagtggaaga ttctggctgt gtggccttgg cagggtactt cacctctctg agcctcagtt 300
tcctcatctt ttaccagctt ccagaggtag atctccacca agtccgaggc ctctgtgttc 360
ccaggggcaa agcgacgnag gttngtctng ggctttgggg gataccggat gttttggacg 420
a 421
```

```
<210> 17
<211> 486
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA040731

<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t

<400> 17
ttccaagaag aacatttttc tgttttattct tagaatgtga attttttttt tcaactcagg 60
gccaaagtaca aacttttgat ttttgaaatt ttttcaactc agggccaagt acaatctttt 120
gatttaaaaa ttttttttca tgaacaaacc atcagtagtt attaaggagc ccaagaaata 180
ggagatgtga aagcaggatt tctttgtgtt tcctttgaat gttgttattt tgagtattat 240
cattatcagg tagaggaaga aaggtaggct gggaaagtagg tccttatgat atcttgacta 300
tgatcccgag atttacattt cacctngtca cagagcacac ataatttaag ataaacatgt 360
caagaatgac ataaaccaga ggtaaacacc aaggagcttt acatttgga cngaaaata 420
aaaattagaa aaattattac cccatattaa taacccaaaaa attacttaaa ctctaggnc 480
cccngg 486

<210> 18
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043349

<400> 18
cttttatgca gagtttgatt atgctttatt tttaaaaatc acattcttcc ccattcccag 60
ccaacgaaca acactattca ttctgaaata agaaaatgaa agaattttga gaagtcacac 120
aacattgctg taaatttcat tttttttttt tttactaata aaacagatgc ttctttctca 180
gagatgggtt ttcactttca acatgcgtca tagcatctga ttttctgagc catcttgga 240
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aggtctcttg tgaatcagtt tgggaaattc acaattaagc agtctcagg agtgaaattc 360
cgggtctga tgagactgtg gaaaccatgt ggtactgtag ggagagcaca ggtttggatg 420
ccagacaaat atctaaatct aaccctaate cactgcttat aagcttagtg attgttgac 480
aagttgttta gcttctctga gcttagatac ctactgttaa aatgggaata atacctcttt 540
ttagtg 546

<210> 19
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043777

<220>
<221> unsure
<222> (1)..(353)
<223> n = a or c or g or t

<400> 19
gaagttataa aagcttggtt ttctttatta gaatactttt ttcaattctg atttgtcaca 60
atttagattc tttttctaag aataagcaga aatttacaaa atttaatttt tatttatata 120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180

```

ccagggccaa agaaccacaaa taaatccaag gagagagacc aacaaatgta tatttataac 240
acagagtaat aaaacacaaa taaatgtgga gttattttaag catgtaagat ggtacatgct 300
ctaccaaggt atggggggctt ctctaagaca caagatcaga ttaaagtctt gaa 353

```

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<210> 20
<211> 382
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA044219

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<220>
<221> unsure
<222> (1)..(382)
<223> n = a or c or g or t

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<400> 20
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cacaagcatt tgcaggagta ggcgggccct tcctctccat gtcccatcc ccaacctgag 120
atgcgggagg gcctgggggc tcagagggaa gaactgaggc aagaagcccc ggtgatccag 180
tcagaggatt gggcagcctg acctcggggt ggggagccag cactngacaa caaggaggga 240
ggggcacagg agggctcccc gaggtttggt ccgggagggg gaggaaaact gcccctgcn 300
ctgtcaatct ctgcaatgtg ccgagcccca gctccttgan tccctcagtg cctttggggc 360
tggatgctca ganagcagtt ga 382

```

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<210> 21
<211> 428
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045481

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<220>
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

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<400> 21
tttttttcag taatacagat gtctatttta ttaaaaaagt tacaaacagg tggactgcag 60
ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct 120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240
cagtgatctg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360
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tccngcga 428

```

```

<210> 22
<211> 328
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045487

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<400> 22
ggaaagcatt ttcaaacttt atttacaact gtcacagtga caaaaagtag tttggaaaaa 60
aaaaaatgct agtttctccc tgagcctcaa aaaagaacag atagaagtta caggagggttc 120
atctcacaa aggcattttt actgaaatac taggaatttt ttcaatacaa tcagttagaa 180
atacacacaa attacttgaa aaaaaaaaaa agaggaggcc agataggagc tcagccactt 240
gtccaagagc agctgggtcc ccccagcagg ctccaccgct gaggggtcctg acattagctg 300
tcagcccctg gcctgctcag actggcaa 328

<210> 23
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045503

<400> 23
ctgtgagact gtccttttatt gtgtatacag gttccagcgt cagggtctctc ccacggcccc 60
ctccccagtc ctcccccaag ggcccagagt ggtgggagtg agaggccacc ctaaggcaca 120
ctgaccagag aggcattggag ggaggaggct gacttgccct ggggacctct gctaactgag 180
accaccctt cccctccacc ctgcttctgt atgtgggaga cgaaaccaag agtcaactgg 240
ggcagcagggc atttcccagg gttaaggctg atggaaggct cctatcccag atgggagatg 300
ggggctttttc ctatgactcc ccccatcccc cagctggaag acgtggggag ggggtgcatag 360
ccttagagag gtagaatgag gggaaatact cctcagtgcc ca 402

<210> 24
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045825

<220>
<221> unsure
<222> (1)..(437)
<223> n = a or c or g or t

<400> 24
cagtgtagac cgtcttttatt ggcagggtgtt aagagtgcaa aatatcaaca aaccagggg 60
aatacgcaag ggggtgggag tatggctccc ctaccccatg tgagagccct gtaaccaagc 120
cagtggggtg ggaacgttga cttgactgtg gcaaattcag gctcagcacc ttccaaagaa 180
caagctccca ggcaggaggg ctctttgcaa cacaaggggg aaaggagtgg caccctggaa 240
gggcctgggc tgcgaccac cctgggctgc ttggctcctg tatactgccc acctcaacct 300
ctcaagagga aggtttcaca gctgggggta tgtagttcag agaaccggg ctaaaccag 360
ccctcccaaa acccagggtta tctgcctcgg gcctcagttt ccctcctccc agtgattacc 420
caagttgggc ccatcag 437

<210> 25
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045870

<220>
 <221> unsure
 <222> (1)..(397)
 <223> n = a or c or g or t

<400> 25
 gtttagagtc taaaactaaa acctaatacat ttngtcacag tgtaaaaaaca aatgggaaata 60
 acagctcaaa ttttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120
 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240
 catccccatt gaaggagag cttctcaga catgaagcaa gggaaacata ctgaatagtt 300
 ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaagt tttaantgta 360
 ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 26
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046426

<220>
 <221> unsure
 <222> (1)..(564)
 <223> n = a or c or g or t

<400> 26
 tttttnttt tttcacttta tcatttactt tttattgtgt tgcttgaagt acctatgtaa 60
 tgcaagtatg tactgtacta aaataacctat atttccaaat aacatatgtg gtgtagccca 120
 cagtctctgc agaagcatca tgagtaacct gtgcctttac actttacaat ccgttatttg 180
 ttgctgttaa aagtatgata acagatgaag aaaaaaaaaac taagtatgaa tacacttttc 240
 caaacacgca catacacagc ttacaatgga atcccaatgg aaataagtga caacatctga 300
 tgtagaatct ataaaatgta gactctgcaa taaaagccca aaggacgtaa aaatatattt 360
 taactttaaa aataacttag ttacagtaat actttgcctg tgtcttacca acatgtagct 420
 gacagtcaaa attttgcaat atagatataa tatataggga tatataagaa ctacaagaaa 480
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 tggtgancata gccatatttg gaag 564

<210> 27
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046840

<220>
 <221> unsure
 <222> (1)..(560)
 <223> n = a or c or g or t

<400> 27
 tacaaatact gtaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60
 acaatacaaa gggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120
 ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaaataa ttaagggaaa 180

```

ataaacacgt ttagcttctc tcgcagttta gtggtggtta gtccaggctg tagcttcttt 240
gcgtcctat gtcccaagaa actgcagcgg gcaccggcg gctctggctg cgcagggcag 300
ggcgcgctcc gctccggggc gtcgggtctg aggtatgggt cgttgctgag tctctcccg 360
cccggccgcg cgttaccggc agtctgctgt cccggcgggc ggcagaaggg cgggctgggc 420
agctgcttga agaactgccg gagggccagg tccgcgtga ntgctccacg cgctgggtgca 480
gttctcgttt cagcgacagc tcacaacttt gtgcantcct gggtgcgccg cttgggttgt 540
ggggtttgcn acgggatgtt 560

```

<210> 28

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047151

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 28

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agaaaaacca ccatcggtgc acgtcgacga tgccaaatta tgttagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggatatagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tggaagggag 300
aaaggccgaa catttcattgt ttggccgggc atgtgagtg acaagatgga aagagcgatt 360
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttgggtgtc aggtttgtgg cactgttcca agag 464

```

<210> 29

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047880

<400> 29

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tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttcccctaa tcttctttca acccagagag ttttaagtctt ctc 413

```

<210> 30

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053424

<220>
 <221> unsure
 <222> (1) .. (431)
 <223> n = a or c or g or t

<400> 30
 tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60
 aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120
 gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180
 caggaccggc ttcagggcct gacttcggtc tcctcttgac ccgccccgga ggcttgtggg 240
 gggctctgtg tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300
 ctacacagct ggatgctacc atctccggcc tcttggatgt ggagctctgt gccagagtca 360
 acagtctcca ggggtgggccc gaagttgttg taggcgntct caaggccgaa atctgctctt 420
 cctcagattc t 431

<210> 31
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA055163

<400> 31
 tttttcaaaa tatgagttta atgacagaat tagttagcta gtattccaca aaaagtattg 60
 ctctattttc aaaaaatttg cacagtgtct tacacatgtg ctaaaagatt gagaaaataa 120
 attagaaaat tatactgcac acttaacact aaatctacca agcacaatgt aactttttaga 180
 cagctcagaa ggcacttttg gatttttttt tttttcagtg cctcagggat cagtatgaac 240
 tccaattatt gttgccctgg ccaattgtgg gagtactgat aactggagag ttaattgact 300
 gctggataaa gcaatcttta atctaaatgg ggaaggctca ctagcagcta cagaggaagg 360
 ggggtattcag atcccagctt aaggctagga agccagctga cccaatcaga gacatgaacc 420
 catcagaaaa atgtaaaaagt tttcatcttt c 451

<210> 32
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA055768

<400> 32
 tttttttttt tctgttcaaa aaagggtttta tccaaaaaag ttaatcaaga caagcaacag 60
 atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggagggggt 120
 gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
 aacacacaat ttctaatttc tgttaggcag aatgctcccc taccctgatg ccacagcctt 240
 tcacgtttcc taaaccctag taacctctga tctccatctg cctcatcaac acgtcaccac 300
 cctttgctct tcttccaatt tagtcacatg ttgggctgaa tttatttcca ctcc 354

<210> 33
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA056121

<220>
 <221> unsure
 <222> (1)..(610)
 <223> n = a or c or g or t

<400> 33
 ctccccctcc ctgctccaag ccggagggtt cctgagggtga cagcgccctgc aactgaaatt 60
 tcagcagcgg gagaagatgg acaagagaaa gctcgggcca cggccatctt catccgataa 120
 gaaagatgtt aaatgcaaaa ccagaggatg tccatgttca atcaccactg tccaaattca 180
 gaagctcaga acgctggact ctccctttgc agtgggaaaag aagcctaagg aataaagtca 240
 tctctctaga ccataaaaat aaaaaacata tccgagggtg tcctgttact tccaagtcac 300
 caccagaaag gcaactcaaa gttatgttga cgaatgtcct atggacggat ttaggacgaa 360
 aattcagaaa gaccctacct agaaacgatg ctaatttatg tgatgccaac aagggtgcaat 420
 cagactcatt gccttcgaca tctgttgaca gcctagagac atgtcaaaaa ttagaacctc 480
 ttcgccaaag ccttaattta tctgaaagga tnccagaggt atattgacga atgtctggga 540
 acgggttagg aagaaatcct aaggncaccac ctgtactgag ggaattggtg ttcagcaant 600
 gcatcaggga 610

<210> 34
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA057195

<220>
 <221> unsure
 <222> (1)..(404)
 <223> n = a or c or g or t

<400> 34
 agaaaaacca agtgtcttta ttctcgcac gtttagtatg gcggtgggag gcgcgcgcgg 60
 gggagcctgg agcccaggga atcgacctgg agggccagtn gngggancgg aggggtgcgag 120
 gntcggctcc tccgcagccg gccctggagg ggttcttggg ggatcgcgcc aggccaaaag 180
 tctgcattgg cgcccccgag cctccctgag ccggcgcgcc ccgggnttng ggagaggccn 240
 ctctgnncgc ggtgccgntg cgggcccggg tgcggcgctc gcccaggggc taagggtgcc 300
 cgtctcaggc gagaccccag gagcccgccg ccccgctgt ctcttcagcc gacgtagaca 360
 cgtngggcgg ggaaccccag tcttaacgag tgttcaagct ctgg 404

<210> 35
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA057829

<220>
 <221> unsure
 <222> (1)..(491)
 <223> n = a or c or g or t

<400> 35
 cacggccagc ctctcctgca gctgcgcgtn gctcacctcg ctctggcccc tgggtgcgtc 60
 cacctccagg gtggcctcac cgtccctcag cgagacggtg accacgtgct cttggccgtc 120

```

gcagacttga tctccattag ggccaaggcg tatgctccac ggccaggacc accagctgct 180
tcttgagttt cttcgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga 240
ggtcgggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa 300
gccacgactt ctacttccca ggttgattca gtcccgaagt ccagaagggg tccgcatgta 360
gtccaggctg tagaaggcga agcttncccc ggggttagaa agaagcctct ctccgtcacc 420
gagaagcact gcatacctgt gttnatttca ccgttttctt ggatgggtgt gtcttctccg 480
ttcagccagt t 491

```

<210> 36

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070752

<220>

<221> unsure

<222> (1)..(436)

<223> n = a or c or g or t

<400> 36

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acgtgcagtt cagtcaatga aatcctgagg attggataaa gtaaacaacac tgaaatggat 60
gcatcgtacc atctactgat gaggaagata tgaggtccta gttgtgaatc atgaaatatt 120
tagagtctgg gtacccatga gttagaagag gatttgctga ggtcatttag gtcttcattc 180
tgctgtgatg tccagttgag ctactgacgg tcctctggct gcttctggaa actgatgctg 240
gcataggcgc ttaaatectc acttgagcgg cgggtggagc tgctctcacc gctgcccagg 300
ggttgatgan ngggtggggg tgggggaagg ctgcggttca ggggtgcact cctgagggca 360
ctgtttgaag tccttgacca aatccaggtc tatgtagtta agaccattct ccaaaccctc 420
agcagcccca cacagt 436

```

<210> 37

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA082546

<220>

<221> unsure

<222> (1)..(558)

<223> n = a or c or g or t

<400> 37

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agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcagt tggaggtggt gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttctt ccttagcttc atgtgaaata aaagctattc 240
tgggtctctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360
tcctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg ggggccccct 420
gaattggcct gcttctcaga atgttgcca taggtnaaaa gcaaggggat cggggttcag 480
gaccancaga atgtttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtggttggt gtgntttaaa aaaaaaa 567

```

<210> 38
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084138

<400> 38
ggttacaaga ttctttatatt tgtaaaactat acataaacag taaaaaagaa aatgcattat 60
actttattac gtaaagtcaa cattaaattt tgtattgagt gtgtataaat taaatggaaa 120
taattaatca attttgcttt caatgaattg tatactggga aaccagttta cccactgttg 180
aaattaaaga taccaatacg taacattcaa cagggtttttc cattttttatt atgggcacaa 240
aaccattggg atgatatagt taaaagtgat ggtgtgccaa aatgtctaca caattaatta 300
acatgctaac ttaaatacag cggttaaa 328

<210> 39
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA085943

<220>
<221> unsure
<222> (1) .. (370)
<223> n = a or c or g or t

<400> 39
agaaccacgc ggtgttctga ggggagcgtt tatttcaagc naccgatggg acaaacantc 60
ccaggcttcc caggtgnan tgnccggggc ggcacacctc cttccagcgg cctccaacgc 120
ggcccttccc tgcccccttc cggaacttct gggcgtggct gatgoggttg tacagcacgt 180
tgatctcata tttctgctgt ttcagcttcg ccatcaggct gaacttctca gactccagct 240
ggtggatcca gtccgacagc tcttgggctt tctcccggag ctgttccctc cccatgtaag 300
tcaatgttca agagggttc ttaacgctcg gaaaaggaat gcgcaccttc atctcccggc 360
ccccgtctgg 370

<210> 40
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA086264

<220>
<221> unsure
<222> (1) .. (406)
<223> n = a or c or g or t

<400> 40
tttttttttt tttttttttt tttttttttt tttttttttt tttttccan ggaaacactt 60
ttatttcngg aagtcagaag aaaaacaang ngcacacact gaatgacaca gagcggcagn 120
tggaaccac aggggctgcc ganagctggc ctttcacagc agaccactgt tttccagtga 180
gaatggtggg ccattccaaa acaaagctaa agggttccaa acatccagaa tggaagctgc 240

```

ttccccaac tccattacct atactacagg atggattgct ttttgtgaga ccccttcttc 300
cactgggcaa ttttnggcat tatttaccct ccccccgatt tttaaaagct aaaatggcgt 360
cccagggaag aagtgccggc ttggatgcan gcttggggcca ntcact 406

```

```

<210> 41
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA091278

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```

<400> 41
gtttgccttc taattgatca tttagactat tctggctaag tctgccaca tgtaattacc 60
ggctaattca agcgaggaaa aatgtaagtc atttagacca aagccaagca gtttctttgc 120
gtgggttact caagggttg tggttacttg tatctctct atgtgaactt gactttgaaa 180
gacagagctc tagtgtgcca gcctgctaag tctgtgaaga ataggagggt cggaggggggt 240
ggcagtacta 250

```

```

<210> 42
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA092716

```

```

<400> 42
gcgagtctgg aactctttct tcggggcccc ggggcacacc atggagggtct cctgttgaat 60
ggcccttggt gccctagagt gggacccagc cctcacctcc cccagagcta acctgggagg 120
tgctgaaggg gcattgggcc accgtaagca agggaaaaag ggcagatcat gcggggagat 180
gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgatcc ccccagctcc 240
tgagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300
ttagtgg 307

```

```

<210> 43
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA093923

```

```

<400> 43
gtcataatgg accagtcattg tgatttcagt atatacaact ccaccagacc cctccaaccc 60
atataacacc ccacccctgt tcgcttcctg tatggtgata tcatatgtaa catttactcc 120
tgtttctgct gattgttttt ttaatgtttg ggtttgtttt tgacatcagc tgtaatcatt 180
cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggtc 240
tgcacgtgg agcatttgac cacagtggac gcgtggctat gcagggtgatt cctcagtcct 300
ccttggctc 309

```

```

<210> 44
<211> 271
<212> DNA
<213> Homo sapiens

```

<220>
<223> Genbank Accession No. AA094800

<400> 44
gcgactgcag aaaaagtcc agaaacaatt tgggggttagg cagaaatggg atcagaaatc 60
acagaaaccc cgagactctt cagttgaagt tcgtagtgat tgggaagtga aagaggaaat 120
ggattttcct cagttgatga agatgcgcta cttggaagta tcagagccac aggacattga 180
gtgttgttgg gccctagaat actacgacaa agcctttgac cgcatcacca cgaggagtag 240
aggccactgc ggcacatcaagc gcatcttcac a 271

<210> 45
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA099820

<220>
<221> unsure
<222> (1)..(323)
<223> n = a or c or g or t

<400> 45
gtgacatggt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc 60
caggcctaatt ttgcttttgt ccctgaaatg caggcccatg gtcatttcca tgtcctctga 120
agtaggtatg taaactagta gacttccatt ttttaaggttc acacactttt taacattggt 180
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagaggt 240
atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt gggaatttag 300
tttgttcaat gtggcatctt tca 323

<210> 46
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101767

<400> 46
catttcataa ataatgtact ttattttatt gcatatggct attaaggagg gcatccatga 60
tcaatacaga ctaaatacaa tgcactattc tagtccagtt tattctcgtc tccagcagca 120
tcacattgac ccctatatac agcgtgtaca gtggaagaca gagcaagata agttaagtct 180
cttgtcatat cacaatagca agaaatatat ttaacatctt gatatccaga aacaatacgt 240
acccaaaaag aaaacactgt ttaataactg ttaaagttta tatagcaaaa aatattttta 300
atttaaggta agtcaggcaa aatgtacaaa gacccaatat acattgtgaa gtttttagcaa 360
acataacatt tatacatctt ggttccattc tgtaaaactaa attaaaaatg gtaaatattg 420
catatgcctt t 431

<210> 47
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102489

<400> 47
 agtctacaag ttcagaccca catgtaacgg attttttgctt catgggttgct agaggctagt 60
 gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
 agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
 attgatctaa ggcgggggacc cttctaaggt ggggacccga gtgatctaaa gcagggtggc 240
 ttccagcaca aggggtgccga 260

<210> 48
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA121142

<220>
 <221> unsure
 <222> (1)..(365)
 <223> n = a or c or g or t

<400> 48
 tttttttttt ttttcaacaa actcagcttg actttattac atggaagctt gcaggagacc 60
 agcggggaag gcctgtctgg gcaggaactc catggctggg ctggactgga ctgagcagtt 120
 ggtgttccag atctgccggg gagaccagat caacagcctg cctcttcagt ttatatccgg 180
 aagactcgcc caggtcctgg ctacttgggg ccaaggtagg aaacagcctt tcctgttttg 240
 ttgagggttg ccancagggt gtctgagctg tgcccaaagt cgatgcagac cttctttttg 300
 ggcaagggtca atgttgaact ccantcctcc caagcttggt tgaaggactc tggaaaacgg 360
 gtttt 365

<210> 49
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA127946

<220>
 <221> unsure
 <222> (1)..(261)
 <223> n = a or c or g or t

<400> 49
 ttaaagtgaag agaaacttta ttttgagtaa tatacatatc attcattcca ttttaattttc 60
 atagctatgc nctatgaaaa ttaaattggaa tgagtaatat acatatcatt cattocattt 120
 aattttcata gtgcatagct atgtgtagaa gtacacaggg aagaataaac attagaaata 180
 cctagccatg aaaatataca agtgaagaca tttgatatat ccatggacng gcttggaagt 240
 attataaaac aggatccatt a 261

<210> 50
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA130349

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 50
 tacaaaaaac aattgttatt tgtgtacttt taaaacctca cagtaatatatt ttcacactac 60
 cttcttggct gaaagttcac actcggaatt ccagagcagt ccatggccag gccactggn 120
 tcccccttgc ctctccttgg ctttggtaac cactggcccc agggactcag cctgctttcc 180
 tatccatccc ctccagtagct gtcacccatgc aggttacccc ttctgtttct tctaccacta 240
 actccatgct tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300
 ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360
 aaatgacttt tgccataaact tccaaactgt gtacaattga agcctccgct ttatagctct 420
 tagcacacct ctcaaataag aagg 444

<210> 51
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA131322

<220>
 <221> unsure
 <222> (1)..(616)
 <223> n = a or c or g or t

<400> 51
 gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg 60
 cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120
 tcaggatggg gaagggtcct caggacaggg gaaggggctc agaagagagc agggggctta 180
 ggacaggaag gggcactcag gacggggcag ggaaggtgtg gggggcagtc gccacctggg 240
 taggaagcag tgggtgtttg gacaggaggg gctggctctc cagtgaccca ggtggacacc 300
 ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360
 acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420
 cccgcctgta gccagggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg 480
 gcatgagtc ctccgggtgt cccggcacac agcatgtcgt tcacggatga tgccgacgct 540
 gtctcccgtg taggcgccaa agtggtatgt gcgtcacaaa tgtgggtttcc attatgggga 600
 ccttcactgc ttcagg 616

<210> 52
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA131919

<220>
 <221> unsure
 <222> (1)..(464)
 <223> n = a or c or g or t

<400> 52
 tttttttttt tcctgagtaa ttttttattt tgtgcagaga caggatccag aactcctggg 60

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ctcaagtgat cctcccaactt tggctctccca atgtgctaga attacagccc tgagccacgg 120
ccccatgccc cgttttttacc agtgtatatatt ttctactgga aaatgagact tttaggggatg 180
aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaaga tctccaagtc 240
ttcacaaaaa tttatattcc ccaaggctgc cccatcacaa tgctgtgaa gcttgactgg 300
cagacactga ggcctgaagc tgggggctgc aggggggtcac tggctcaccg ggcccccccg 360
taatctgtaa aacatactgg gtgaggagg ctgctggagg acctgaatct ctccttcttc 420
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

```

<210> 53

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133756

<400> 53

```

ctccatttat tttattttat ttttttataa aaaagcaggc ataaaaataca attacattac 60
tacgaagatg caacaaaatt ttaaaaaaga aaaaggggtg caattttttt cagagaggac 120
agctgatcaa atatttataa ttttctaaac catgcagttc attacttatt acaattccaa 180
acaaaactca ttattatggg gatgggagtc agggagaggc cccccccaa gcatgatatac 240
cagcgtgtgc acacagtgtc tatgttcaa gtgcttaca atggtgtctt cacagcatag 300
ggaagctgaa gccttattcc agggaaggag aggtgagtca gtagcagtgt ccaatggcag 360
actcagaaag ctcggcagtg acttgctcaa aat 393

```

<210> 54

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135870

<400> 54

```

aaaatttaaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc aagcaataag 180
atcacgaaag gcagctgtaa aacaggatta ttctgcatgt gttgccca actagggcaa 240
ggttatctct catcacaagt acaaagccat tgatgttagt gtgtaacaga gagaaaacag 300
aggatttgta cagctgagga aataaatggc agatgttaca caggaagcaa tataacatgg 360
tcattaagta actgtattca accctcaa ttaatttt 398

```

<210> 55

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135929

<220>

<221> unsure

<222> (1) .. (390)

<223> n = a or c or g or t

<400> 55


```

aaagatatca attatatatg tatataaaaa aaaaacctca ctttccccac aaaaagcaca 60
atactgttat cacaaaaaaaa atcatcatcc tcataattaa tcatcctagc cacgcagggtg 120
tntttgctgc caaaagatgg gacgacaaat aacgttgacc aggcagaacc cctagacacc 180
ctcggccccac ccacagcctc tccggctgcc gaagacgagg gacgagggca aggcagagtt 240
ctctgagggtc cccaggcctt caccatctgt gtcagtctgt gtcttctagg acagaaggta 300
gttggtttttt tttcttttaa aacgtctgtt caaaataaaa aacaaaagca cacgcgcaag 360
agaagcggggg aggaacggag gctgcctgcg                                     390

```

<210> 56

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 56

```

tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60
aagactccac acctagggtat gtgcacgagg taaggcctga gctcaggcct tatgatcctc 120
ctcaggaccc ttggggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtgt ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctcttg ggcgagggta cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagtct cgtacatctg atcacaggcc tcaggctctg aacctgggta ttctctccct 360
cccgaaggc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttggggccccg cgtgttcccc cccctcgtgc c                                     511

```

<210> 57

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA147224

<220>

<221> unsure

<222> (1)..(341)

<223> n = a or c or g or t

<400> 57

```

aatacatttt cacagtgtgc tgaatgtctt tatttacaag atatcattct atagtgaata 60
tgaacaaaac gaatgtgcat ggttgaaata actgcttgat taaaaatgtg ctgtgaagat 120
gaatcactaa tctttctaata gcactctgat aacacaataa acatggaaaa atactaatcc 180
cctaatagat cnaaatatag natatagncc ccnaaatatt tcnggggggat ggattttcct 240
tcngagggtt cncaaaaagg naaaanggaa atggnntccc ccagccaatg gtttagccaa 300
atattggggg aaatgccccat tccaatggga aaaacccgga t                                     341

```

<210> 58

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149579

<220>
 <221> unsure
 <222> (1)..(561)
 <223> n = a or c or g or t

<400> 58
 atagtaaata tattacattt attotaaaac ttcaaaatta ttctgttttt gtagtactga 60
 aaaaaagaca gtgccatttg aaacaacaga tgcattcttt atacattttc acaagtttgt 120
 ttttcatatt tttaaaggcc ccatttatct gtaacagtgg tatttttatt tagagtatcg 180
 gctacttaat atatacatgc aacaatatat gctttaatag tcattttaact tttaggaata 240
 tttcatcaca ttaagtgggt aagcatagtg ttaaaagagt ggaatttaag gaataagaaa 300
 atattgaaaa tacgctgtta ttttcatttg ttcactataa tagaatgttt ttgcccataa 360
 aagttatcat tgcccaactg aattcctacc aagaactaac aagtgattct cagtggggag 420
 aantttnttt nntnngaata tagagggctc gttagaaagt gcagatntag gcggggcgct 480
 antcacaccg taatccagca cttggaggcc aggcggggcg tcacgangta ggagatcgag 540
 accatccggc tacacggtga a 561

<210> 59
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA150920

<220>
 <221> unsure
 <222> (1)..(420)
 <223> n = a or c or g or t

<400> 59
 agcggtgtaa ggtttatttg ggtagggaag gggacaagtg aggtaactga tccttgcttt 60
 gtagacagtg caagacaatt atttgtggtg aagggaactgt atgccaacaa acgttactca 120
 tgcttttagtt aaaactttta gtcacctaaa acagaaacaa ttctnaagaa cactgggtgga 180
 aaatagaagt gtaaagtgtt cagacaaaac caaggcattg tcagcacgat gtacattata 240
 cggcagatan nacagccaca tcctaggcca cagagcagat cccaagagcc ccaggcatgc 300
 aggagagttt taaaggaaca gacggaaatt ttaactgtga aaaccacgaa atttcatgac 360
 ttttggtcag ctacnaccce aactaatata tgaccattaa gagtaaaatt ctgaccttta 420

<210> 60
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA151210

<220>
 <221> unsure
 <222> (1)..(426)
 <223> n = a or c or g or t

<400> 60
 tttttttttt tttctggatg aatacatgtt ctggtcttgt tacaggttct ggtaaactcag 60
 atggagaaat gttgttgcag aaatgtcagc aaactttaca gcagtagttc acacatgcag 120

```

ctactatata ttcattcatt gctattttcc taagaaatgg agcaacctag gagcttatgc 180
tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240
tgtgatatct tccgtgttgg ttgagttttc aaacctgaaa ttcttttaaaa tacattttctg 300
ggattttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaaatg 360
taatactgaa atggaaaatt gtctttttcaa aaaaataaga agtgtggttt ggaaattccc 420
cgtgcc                                           426

```

```

<210> 61
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA151428

```

```

<220>
<221> unsure
<222> (1)..(400)
<223> n = a or c or g or t

```

```

<400> 61
cagagagaaa gtgctttatc agccgggctc agcccgacaca cggactcgcc aggagtaggt 60
ggtcagcacg cgctgctggc ggcnacacag caggtgtagg tgccctcatt gacggcggtg 120
gcgatgatgc tcaggtgcgc ctgcgccagg gccaggtagc cggggtagga gaactccagg 180
ggctcctggt ccttgtagca gtacactttc cctttcttgt ggaggatctt ctggccgcag 240
cggaagggtca cgttcctgcc ctccgnacca agcctgggtt tggtcctggg gggcgggtggn 300
gggtggttggc caccgtgggg aaaggggaat ttctgtagca gaaantccgc aagctngctt 360
ggggggcaaaa agcttccttt ccantgaagn cccgccggga                                           400

```

```

<210> 62
<211> 502
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA151544

```

```

<220>
<221> unsure
<222> (1)..(502)
<223> n = a or c or g or t

```

```

<400> 62
caggacgagc tgtgggggct gcaccggctc tacggatgcc tcgacaggct gtctcgtgtgc 60
gcgtcctggg cnggaggggc ttctgcgacg ctgcgccggc gtcnatgaag aggctctgcc 120
cagcagctgc gacttctgct acgaattccc ctccccacg gtggccacca acccaccgnc 180
ccccaaggac caaaaccagg ctggtgccga ggnaggaacg tgaccttcg ctgcggccag 240
aagatcctcc acaagaaagg gaaagtgtac tggtagaagg accaaggaag cccctggaag 300
ttctcctacc ccggctacct ggcccttggn cgaaggcgca ccttgaagca tcctcgccaa 360
cgccgtcaat gagggcacct acacctgcgt ggttgcgccg ccagcagcng ttgctgacca 420
cctactcctt ggcgagttcc gtgtgcgggg ctgagcggct tgaataaagc aatttctctc 480
tgaaaaaaaaa aaaaaaaaaa ag                                           502

```

```

<210> 63
<211> 285
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA152200

<220>

<221> unsure

<222> (1)..(285)

<223> n = a or c or g or t

<400> 63

```
tactcttccc tcctcattta ttttggaatg tgctagaaac agcttgaaac atcccttta 60
tagcttcccg gcctcacgag tgttgaaatga catgacgaat tctccttcat agaaggtaca 120
ggtgaaccag aactggaggg gcatttgagg tcttctcttc ttcagaaagt gcgatcgcat 180
caagatgcat gtgggttttca gtagaactgg cccatgtttc ttgggagcga ggtgtccaaa 240
ccactgttca tccatatttc cnggatgatt tgctccnng gctca 285
```

<210> 64

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156565

<400> 64

```
atagtaaata ttttaattgtt tccatcagca attccagcac aagttttcct ggatggtagg 60
cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120
agtcactgac cctcccgc acctccacac accaggtggc cctgcagaat gaggggttggg 180
ctgatagaat gtcaattagg ggagacagga tacaggggtga gggaacaggg tctagcttgt 240
atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300
cacatttaag ttttcaacct caatatgcag ggggaaacag ccaagccact ctccatctgt 360
ctagtattag gaacctctct tcaagtggtc ttttgtcatt tctgttcttc ttcccaattc 420
tgtattccag attccaaatt ctacaattga aacccaa 457
```

<210> 65

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156897

<400> 65

```
cagacatgga aatataattt taaaaaattt ctctccaacc tccttcaaatt tcagtcacca 60
ctgttatatt accttctcca ggaaccctcc agtggggaag gctgcgatat tagatttcct 120
tgtatgcaaa gtttttgttg aaagctgtgc tcagaggagg tgagaggaga ggaaggagaa 180
aactgcatca taactttaca gaattgaatc tagagtcttc cccgaaaagc ccagaaactt 240
ctctgcagta tctggcttgc ccactctggtc taagggtggt gcttcttccc cagccatgag 300
tcagtttgtg cccatgaata atacacgacc tggtatttcc atgactgctt tactgtattt 360
ttaagggtcaa tatactgtac atttgataat aaaataatat tctcccaaaa aaaaaaaaaa 420
aaaaaaag
```

<210> 66

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA158262

<220>

<221> unsure

<222> (1)..(602)

<223> n = a or c or g or t

<400> 66

```
ggtcgagctc aggttctgct tgccgggtgc ccagtgaagc cgacagagcc tcgagtgcctt 60
gatcactcat tgtatccttc tccaccttcc ttttcttctc ttgggggtgga gcagcacttc 120
tgactgtccc tgctgactga gcttttaaaa cttctgtaga ttctctcttt tcagtcttct 180
ttccagcagc tgtaggcgac ccacaggtga agtcagatga caaggcgtct atagcatcat 240
ctggccctat gggtttagcc aatagttccc tatattttgg aggaattgtg acttctcttt 300
tacccaattc ctctatgtag gtggaactca ttggatctga aacttctggg ccagtatacg 360
ttgtattttc ttcttcagtt tcttcaggtc ctctaaagt atctattaag tcatccaaag 420
cagcatccat gcctgacttt ccgatgggt tatccgggtt agattcaact ggcacagctg 480
gggttaatga tttcttttct ttttcttctg canccggctt gcagatattg cagtataacc 540
agcaacantc tctccaccag cagaaatcat gtcttgtggg ttagtctttg ggtcnggtga 600
tt 602
```

<210> 67

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159025

<400> 67

```
ttgatgtcta gaaacatctt ttatttgggt aacagggtccc aaaacaggtc agttaataaaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cttttcccc ttgggtcctt cgggtgtatt taaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctagggtaca 240
gcagcagtag atggctgcaa caaccttctt cctaccccag cccagaaaat atttctgccc 300
caccacagga tccgggacca aaataaagag caagcaggcc cccttactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag 392
```

<210> 68

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165312

<220>

<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 68

```
tcgtnnctc ggttctgaga aataggcact ggcaatttac acatgccttg ctgtgtaatc 60
tcactatatt tgctcaggca aagtgggaga agcagcctta ggttttcatt ctagagatgc 120
```

```

cggttttccc acctgatcgg cttagagttc acgattgact gttttgggct tcatttcacc 180
ctctacataa caagcgggtg gactagatgc cttagcaagg gtccgtgttg tgtggtgtct 240
ccagccacgc actcagctca atcttagcac agttaaaaaa tgcctttcta gcaagttatc 300
tgcccagtg ctgaaaaagt atcatttctt gtgttcaata aaaaagcctc ctaatttaat 360
caaggaccta tggagataac tgtcttttag ttgtggcatt gcaaggatac aaatgcagag 420
atatttttaa agtgatcctt ctgtaagagt gaaccacga tatgatctgg nagcaa 476

```

```

<210> 69
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA165313

```

```

<220>
<221> unsure
<222> (1)..(479)
<223> n = a or c or g or t

```

```

<400> 69
cacaagcccc cacgtccata gccaaagttt ccccggtttc ccagcagcca gtgacttctg 60
tagcattagg attcttatag tagttattgt ctacatttct cagcagattg aatatgtact 120
gcctcttact actggactgt ttattcttaa atgtgtacag tatggattta tgtcgtctat 180
atattatgca tttatttgtc ttcttcgttg tgatggtaag ctcttgagg gcaagtcttg 240
catccactgc tttgtctggc acccgactgg taagcttctg gaaggcaagg cttgcatcca 300
gtgctttgct ggcaaccgga ttgctaagta ccgtgtttta agcttagttc agtctcaagt 360
gtttgcagcc acatctgaag accaataaag caactgctgg gtttatcccn tgggagctga 420
cagaatttcc tctcccaa at accatanaca ggaaaatcat aagcctgaat taccgggtg 479

```

```

<210> 70
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA171939

```

```

<220>
<221> unsure
<222> (1)..(298)
<223> n = a or c or g or t

```

```

<400> 70
ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggt 60
ggaccggcca gctgacagt cggcctcaga ccccccgcc aggttccctc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcattgccg ccacaggggg aagcagggtt 180
caggctgccc cacctgggtc tggcctggc aggcgcccc tcacctggt ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tctgctgcc ccgggggggtc agcnagca 298

```

```

<210> 71
<211> 596
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA173223

<220>

<221> unsure

<222> (1)..(596)

<223> n = a or c or g or t

<400> 71

```
tttttttttt ttcagccaaa ttcataattta ttccagtctc taacactctg ttgttatgtc 60
tgctgtaaga tgatcaggag ttagtatgaa gtattcttct ctacgcacca aagaaaacaa 120
acaaagcaaa cttcaagtca gtgaattagt taccacagtt aaaatgcatt tgattttgtc 180
cttttctttt ttcacaagaa cgacagctga atactctttc atgtgatgcc tgatattttt 240
cttttctttt ttctctcttt tttagacagc ggtctttaag atggggctctc gctctgttgc 300
ccaggttgga gtgcagtggg gcaatcttgg ctcatgcaa cctcagcctc ctgttttcaa 360
gtgattcttc tgactcagcc tcccaggtag ctgggattac aggcattgtgc accgtgcccg 420
gctaattttt gtatttttag tagagatggg ggnttcacca tgttgccagc gatggctctc 480
aactcctgac ctgaagtgat ccacccgcct cggcctccca aaagtgcctg ggattaccgg 540
tgtgagccac tgtgccagct ctgatggtga aaatttcngg tacaggccta gccan 596
```

<210> 72

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA180314

<400> 72

```
ttagcaaaaa cagctttttt attgtggtag tttgtggtat gtgctcctgg atcatgcaga 60
aaaaaggctg ggcctcagtt agctccggga gccattctta ggaccctccg gctgcacaca 120
gagaggggct gggtagctgg ctgggctggg gcacgcattc actgggctgg cacaggctga 180
ggggtctctc gccactatc attaggcccc tccagcccggt tatgctcagc ccccggtca 240
ggatgctcca gggcgtgccg ggtatcagcc tgccagagct gcaccaggct cgtcggggctc 300
tttctgcca ggttcttggg catcatgtca gccccatgca ggagcagcag tttgatgatt 360
ttgtagcggg tgagcctcac agcgtcatgc agggcagtat ccctcgtg 408
```

<210> 73

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182030

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 73

```
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtatata ttaataaatt aagtgggcct gagtattcag tatccatcta 120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
atcaaagttc atttgcacag ttgggtgtaat tgagatacta acatttcttt tttctagtgt 240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatctttggg 300
aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360
```

accaataacc tactgccaac tgttttggtta taatccagaa atgcatgagc cggactccca 420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 74
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA182882

<220>
<221> unsure
<222> (1)..(313)
<223> n = a or c or g or t

<400> 74
ttctggcaca tgattgagca tttattgagg cactaacaga ggggtgctggg ggccccacca 60
tccttgcttc tgcccttttc acctccccct cctcccagc ttcttctgcc tagagcgttc 120
cagattcccc tcacattttc ctggatcagg gccactctc ccaggcacct cttgccctca 180
ccagtacctt ttgtcccttc tcttgggggt gagggtcctc agctgtgctg gnccccaact 240
ctccaccctt agtgcccact gtctctgcca cctcccttt ggaactcagg gggctcaggc 300
atcctggcct ctg 313

<210> 75
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA188981

<220>
<221> unsure
<222> (1)..(258)
<223> n = a or c or g or t

<400> 75
tttacacttt actgagacaa ttttattcac tatggatata tatacatgat caacatttta 60
tcttcattct tcagaagact taattagagt agctttcttc tcatacttat ctctaatttc 120
tttaatatatt tccgagagat cttctgacat gcattcntca tattctctat caacttttagc 180
aatctgctcc tcaagatgtt tctctacaga cccaacatgt gtagcaacca tctctaacag 240
acgttgcaag ttaatttc 258

<210> 76
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA189083

<400> 76
ttttttttat tccaaatgtc tttattgaaa cagaatgata gagcaagaaa taatgaggtc 60
tggggtggatg tctttgggag caggatggag cccagaccca gtgggttacag tgtggagctc 120
tctccctgtc ccctgactct ggccaaggaa gtgaatgcaa agcagcaggg aggaggcagg 180


```
gtggggacgg cctctgagc tctccgcat ggctggcgtg aggtgcctct gagacttctg 240
ggcagccctg cttccctac tcagtcttcc cgatcttctt gccaccttcc tgtgtgggcc 300
agcctcccg cagtaactca gaggcgctc agagggcagg gttgggggtg gcaagcagcg 360
ggacgtggtc acagcgggta ggggggtggc gccgcagcag ggaaggccgg cgacacagct 420
ccccgtccc gagcacctcg ggcaggagct tgcgcttggc ctccggaagc agcataatgc 480
tgaagaatgc agaagagggc gcaagc 506
```

<210> 77

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193197

<220>

<221> unsure

<222> (1)..(513)

<223> n = a or c or g or t

<400> 77

```
tttttgaatt tgactacttt tacttacaag agacttttcc ccatcaaacg atttcccat 60
ccatttatta cacttctgaa gtaggatttc tgaagtcac ttatggcatg taattcttag 120
tataatgcac aggattcctg tcattttgaa gcacgaggag aggtttttga tatcttaaac 180
atttttttag tgtagatgca catattctcc acttccaatt gtaatagaaa atcagtttaa 240
ggatacccta atgatgcaaa tgaaatgatt agcaaacaac tcaaatttag gagccttctt 300
tacaatccat tgagtgaac agattcaca aataatttgt tcaactgaag atttaattta 360
ttattagaaa atggttttaa actctgatca ttacattgaa gagtcaatga ctgaggtttt 420
cttacctact ggctcatctc ttagacaata acttcttgaa taatttcnac atgagtgtct 480
gtacaagctt ttaaaaaacc gaataaatta aag 513
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<210> 78

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA195678

<220>

<221> unsure

<222> (1)..(499)

<223> n = a or c or g or t

<400> 78

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gaaaatttgc ctccctggtta ccctgtaatg gatggggccc agaaatgaaa tatttgagaa 60
aaacaagtga aaaggtcaag atacaaatgt gtattaaaaa aaaaaagcct attaataagg 120
tttctgcgcg gtgcagggtt gtaaacctgc ntttatcttt taggattatt cctaaatgca 180
tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa 240
tcctgcagtg ttaaggaac tctttttttg taaatcacgg acacctcaat tagcaagaac 300
tgaggggagg gctttttcca ttgtttaatg ttttgtgatt tttagctaaa gagagggaac 360
ctcatctaag taacatttgc acatgataca gcaaaaggag ttcattgcaa tactgtcttt 420
ggatattgtt tcagtactgg gtgtttaaag gacaaatagc tgctagaatt caggggttaa 480
tgaagtgtt cagaaaacg 499
```

<210> 79

<211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA197112

<220>
 <221> unsure
 <222> (1)..(463)
 <223> n = a or c or g or t

<400> 79
 aaagtataaa gtgttttggg aaaaaaggaa aaaaatctat ataaaaatct cttcacatat 60
 aaaatcctga agaagggtgca aggtgagacc cagtgcgagg ggcgtgctca gatatgcagt 120
 gtgtgtgtgt gtgtgtgtgt gtgtgtatcc gtgtgtacat gtgtgcacgt gtgtcgtatg 180
 tgtctgtgtg tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtgg gtgcaagtgc 240
 acgtgtggcc cacagagggt ggggagaaag cttggctttt tacttccatc caggaggga 300
 ggagggcgcc tggcctcca gccttgagg gtctgcagct gggcgggacc tctactcagc 360
 caggctgttg cgcacgcact ccttctcctg gagggcgcc atggcaagac gcagggtgctc 420
 cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga 463

<210> 80
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA205376

<400> 80
 aagatttgaa ttttttttat tatcccagca aacattacac tagagaaaat gattgggaaa 60
 atacaaataa gttcattaaa aacacaggct gattattcat atctattaca ttcagaatta 120
 tgcgaaacaa ttagttatat tgcaaaagctg taattctttt tctaacaaag catgatttta 180
 taaaacttta atgttgccac tgattcaatt ttaatacaaa atacttatat acacaatata 240
 atataaaagt aaactgtgta gtgccttcca caaagggata tattaaggcg ctttacaat 300
 ataccaatat tttgacccaa attacttttt gcttttagatt aaaatgaaca ggctaaatgt 360
 tccactttaa ataccaaagg gatggtttat taaaaatttt ttat 404

<210> 81
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA205724

<220>
 <221> unsure
 <222> (1)..(523)
 <223> n = a or c or g or t

<400> 81
 ccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60
 tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120
 cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcagaagca 180

```

ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240
tgttttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300
ggggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420
tccatggctc tgagagtggag cacactgtca aagtcactgg ggtgagatga gccgggactt 480
ggaaaaccct ctcttaactt tcagtctcaa ctctccac tcc 523

```

```

<210> 82
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA211443

```

```

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

```

```

<400> 82
catttagtca aatattttatt tgaactcata caaagtttag tgacataatt taaaagggtga 60
agaactaaaa cgcattccaa atattgacca aaatactgta ggaagtagct tgggaaactt 120
ttcatcaaaa tcgttaggca cattgccata tcattctcca taaaatcata tccctcctca 180
aaaccacacc ctccagggtg tgaatttatg ggctaatttg ttctgtgagg tgccaaaaat 240
gaagataaag taagaaatac agccaactag aaggaagaga tataaatgta caaacaggcc 300
atctctgcta gagtctcagg cattcaggag gttcacatc atcatacaaa tatataaaat 360
tttagtgagc tattgaatcc atcttctgcc tctttatttc ttcacatcaa tcttttttc 420
ttcctactac tggtcagctt tggggacata ttttaggttc acttttaata ttctggattt 480
ccgatagatt gactgcaggc cggggagggt cctcgctccn ggaattggct tcttctcctc 540
atccgagggt ggaggacacc ctctccact tcgggggaca ttctttt 587

```

```

<210> 83
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA214688

```

```

<400> 83
gtttgttttg tggggttaca cggggttcaa catgcgtatc gaaaagtgtt atttctgttc 60
ggggcccatc tctctggac acggcatgat gttcgtccgc aacgattgca aggtgttcag 120
attttgcaaa tctaaatgtc ataaaaactt taaagagaag cgcaatcctc gcaaagttag 180
gtggaccaca gcattccgga aagcagctgg taaagagctt acagtggata attcatttga 240
atgtgaaaaa cgtagaaatg aacctatcaa ataccagcga gagctatgga ataaaaactat 300
tgatgcgatg aagagagttg aagaaatcaa acagaagcgc caagctaatt tataatgacc 360
agtttaggaa aataagagct ca 382

```

```

<210> 84
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA216589

```

<400> 84
 cacaaattta agtttggttt atatatttta ttgacatggt tactcaatgt ccacatcatt 60
 ccactgtcat cgtcttccta caaacagttt ttcttctact attcggttat ttctcctttt 120
 ttgttttctt atttcagaat caaattttatt ttacttgcaa agtcagtggg atattgggttg 180
 gaaccagtag ggcctctaac ttaagcccag aacctgtcaa agagaagtgc agtatcattg 240
 ctaagacttg aacagtttat ctctcagaat cttcagttcc tttgaatttc tcagctctta 300
 gtgtaatctg ttttatgtgt ttgtttaga cttccattta tgggatagat ttccaaaata 360
 attttgggta atccaactgg gtatttttagc attcccgg 398

<210> 85
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA219100

<220>
 <221> unsure
 <222> (1)..(378)
 <223> n = a or c or g or t

<400> 85
 tttttttttt atgcttgaac taattttattg atgagattct catttctgta gtataaaaagg 60
 aaaatatttt gcagttatct cgtatttgaa agactttgcc atagagaact ttatcagaaa 120
 tggatgaact tttcattatt tcttataagc atattgggtt tggcctgctt gagtttaaaa 180
 ctttttttgg tagacntaga atgttaatat ttagataaag aaaatatttt acngaagaca 240
 ttaccagaaa gtaaaataac ttgaacattt cngtattagc ncnttatcag agaataacat 300
 ttatttttatt tggaaagttt tocnaaatat gagacnactn gcnatttctc agacnaagtg 360
 aaaaatttaa taaaatag 378

<210> 86
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA219304

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 86
 gcttgggcaa aagtcttcag aacaaaggct gtgagcagggt gttgcoctgg ttctgccaat 60
 atcgctcccc aaagggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120
 aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180
 atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
 gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
 caaaactgag acagaagctc gggcagattc ttctaccaca tttggtggca gtttcagggg 360
 taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
 ctctagtcct tcaggttcaa ccaa 444

<210> 87
 <211> 341

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219552

<220>

<221> unsure

<222> (1)..(341)

<223> n = a or c or g or t

<400> 87

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tttttcagtc atgattgggt taaaagttta attggagacn ttgccggtgg nnaacaaaat 60
ganggcatac aactgtcaca ggcagggcag taagtacaaa gtctagctgt aaaaaccgtt 120
tgaaaatata aactcgtttt tggaatacat gtgtcaaagg ctgcccattgt taataccttt 180
gggtataaac ggtaacgatt cccttgacaa acccatccat cacctgacgc acattcacat 240
ctcctggtaa ctactctacc tagtctagtc tcaaccaccc ctgtcagtca cgactcactc 300
ctgttccttt gcaggtgcag aggagcctgg gaggtaggtc a 341
```

<210> 88

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227926

<400> 88

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atgtaaacta tcaaatgttt atttaaattt ccatttaaaa tattttcaag taaaatatgt 60
acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggata atacatataa 120
atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
cagtaccaga actctcccca gag 323
```

<210> 89

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227936

<400> 89

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tttttttttt tttaaaaaca gaagcgcgac catttcttta tttaaattata caaaaggggtt 60
ggggaggggg gcagctgtgg ggctcggcac accccggggc ccaccccggc ctggcgctgt 120
ctgagaagag gggatctgag ggagatccag ggatcaggca ggatagggat ggggcaggac 180
atgaggctgg gggatgcaga ggtaggtgg gagaggctac cggagtaaga atgaggctgg 240
taggggaggg agaaagagag caaagagaga gaggagcaat tggggggccag ctggagagct 300
cagatggagc aggtcaggag gtggaacaat ggcagagtga ggggtggaggg cgcagtgtct 360
ggagagggcg aaatgagaag gctggggaga aagaagaggg tggcagctct ggtgcagggc 420
ccagagcagg gagccaggtg aagagtggct ggactttgct gccccacc 469
```

<210> 90

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232266

<400> 90

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atcttttctac tttcttttaa tatcattttt taaagttggt aagcagctag acatcattta 60
gaagcagacg gggttaaaata gacaagaaat agcaaagaca catccttcac atcgtagaga 120
actgtattag tatccaccac caccatcaca ggggagggt agctgtcact ggggtcagga 180
gtactctcca ttattgtgca ggggaccaga cagcatttag gtgtgacgat gtcaaactga 240
gtggacatag agagtgcgg gatcaagggt tacagttttg gctctagact tgcgtgaggg 300
ttggttactc ttaatctctt ccaggctgtg ctggatccca tagccgaagt agatagcaaa 360
gccaatcagc atccagaccc caaatcgggc ccaggtagca gctgtcatct gcatcataag 420
gtaaatattc acagagatgc tcattagtgg gaggagaggg aa 462
```

<210> 91

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232508

<400> 91

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gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60
tgtgcattca gggcctctgc aggtcacac agggagtctg aggggatagt gtttaagtga 120
gcactcaggc ttctctgag gaaaagaaat gaccaaagt cagactttta ttactgccat 180
tcctgtcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaagg gctaattgaga 240
aaggaggaga gatgagacag agagtgtgaa gggctatgct cgtggcatct cataaattct 300
tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360
ttatctctac tacaactact tacatatatc taatgggaaa a 401
```

<210> 92

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 92

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gctgcaaaca tgcagagatt tcatttatct tgtttggcac atgggaacta cattttgttc 60
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
gcatatacat ttgtagggt gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
ctaaaatata aattataaga cagacaagt taatgtaaaa ctctggagaa catcaaagaa 240
aaatggccat gcatctgctc tttaattgtt tcctacgata tattaaaata aaaacaaagt 300
ttcagtctct tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360
attctctttt ctgatttttg ctgcagc 387
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<210> 93

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234095

<400> 93
 attaatgcaa acatattttt attaaagaat gaatgcattt atgctaaaga atagcttaca 60
 tatgttgtaa agcaacaagc atatcttcaa gaagtgagtc ctccctcaata tgactccatg 120
 cttattctac atgcctgaaa actgggcccc cacacagggg cacacgtaca cgcacacaaa 180
 cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
 gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
 aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcactctgc tcttgctctc 360
 caatgtgtgt attttaacaa ataccattta attctatgtt gac 403

<210> 94

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234634

<400> 94
 cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccgccc 60
 ttcctgcccg ccgccgggac agcagactgc cggtaacgcg cgg 103

<210> 95

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234996

<220>

<221> unsure

<222> (1)..(291)

<223> n = a or c or g or t

<400> 95
 ttttttgaag cttcacacct ttattgtgtc cgggggctca ggggtgttcg 60
 tagcccgtag cgagagggtt cacgtggcta ttgtggaaca gagtgggtt gccgtcccc 120
 caggggtagg gcttggtgcg gatcgagggt tggtggtagg gacggaactc ggggcgcggg 180
 cgggtggccag nantggagat aggtagttga aggtgcagag ggccacgctg ggcagcgag 240
 catcgaaggt cagcagacgc caggtacgag ctccctgctcc tccgtggcct t 291

<210> 96

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235310

<400> 96
 tcaacaaata tttattgttc atcaaagacg agccagattt tatgggcatt tgtgatggag 60
 gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120
 gttcacccctc ctcggggca 139

<210> 97

<211> 382

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235618

<400> 97
acaattttaat aattttattac attacagtgg catcacacca gcagtcaata aggccactct 60
agggaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120
aaaatttcatt ctaagaaaac ttggcaaag aaacttttga ctggaattgg cttttctttc 180
tctgcttttc gttccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240
tttaatttat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300
aaatgactct ttaaaataaa gtttttagaga aactatatta tggatagggc tgattttacat 360
tttcaaattt tctaaaatca gc 382

<210> 98
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236241

<400> 98
tttttttttt ttttttttcg gcggtcaacg cgctttattc cgaggggctt cagatacaga 60
tgaccccgag cctgcatccg cccggaagcg tccccttact cccatggggc acctcgatac 120
cagctgccct gccctgactc acttctcagc acccatctta cggcagtcgg ccctg 175

<210> 99
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236455

<400> 99
tttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60
tcacatatat acacgtatgt acaggaagaa cctagtgttt ctagctttcc cggcagaagg 120
ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcagggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
atcgaacata ggtataaaaag gtaaaatata tgtacaaagt a 401

<210> 100
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236476

<220>
<221> unsure
<222> (1)..(533)

<223> n = a or c or g or t

<400> 100

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tttttttttt ttttctcatc actgagtatt tattatatat aacaaataca tgggaaagaa 60
aaaactatat tgtgtgatat aaatagttta ttacattac agaaaaaaca tcaagacaat 120
gtatactatt tcaaataatat ccatacataa tcaaataatag ctgtagtaca tgttttcatt 180
ggtgtagatt accacaaatg caaggcaaca tgtgtagatc tcttgtctta ttcttttgtc 240
tataatactg tattgtgtag tccaagctct cggtagtcca gccactgtga aacatgctcc 300
cttttagatta acctcgtgga cgctcttggt gtattgtctg aactgtagtg ccctgtatct 360
tgcttctgtc tgtgaattct gttgcttctg gggcatttcc ttgtgatgca gaggaccacc 420
acacagatga cagcaatctg aattgttcca atcacagctg cgattaagac atactgaaat 480
cgtacaggac cggaacaac gtataganca ctgtagtcct ttttttcaca gtg 533
```

<210> 101

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236545

<400> 101

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tttttttttt taacgttttc aaaatctatt tttatttttc ttcagtatta cctgctgttc 60
ccaagtggct gggtaatcta tgggttatat tttcatttac cctcaaagct aggtgccag 120
tggaagctaa gaataacaca attaaattca agtttctcta gaaaatatga caaatcaa 180
tttaagaaaag tgtaacttgt ggttttgctt tggttcaaga tggctgatct gagaatatca 240
aagcatttaa ttcaaactaa tagtgtgtcc tcatcctagg actagaaggt aatttttctt 300
ttaaggag 308
```

<210> 102

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA247204

<400> 102

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agatacagag ataaacgagt acatgattat gatatgaggg tggatgattt ccttcgtcgc 60
acacaagctg ttgtcagtgg ccggagaagt agaccccggtg aaagagaccg ggaacgagag 120
cgagaccgcc ctagagataa cagacgagac agagagcgag atagaggacg tgatagagaa 180
agagaaagag agcgattatg tgatcgagac agagaccgag gggagagagg tcgatataga 240
agataatggg cttttggaag cactgattgt ttaaagatac aaaaaatctt gtatctt 297
```

<210> 103

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA248555

<400> 103

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attcgttgaa ggacaccagc tgcggaattt gcggctttgg cagattgaaa tcatggcagg 60
tccagaaagt aatgcgcaat accagttcac tggattataa aaatatttca actcttatac 120
tctcacaggt agaatgaact gtgtactggc cacatatgga agcattgcat tgattgtctt 180
```

atattttcaag ttaaggtcca aaaaactcca gctgtgaaag cacataatgg atttttaaact 240
gtctacgggt ctaacctcat ctgtaagtcc catgcctgga gaagctaata ccacctaata 300
akgtgataat tcaatttgta caataaatta tgacctggaa aa 342

<210> 104

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250850

<400> 104

tttttttttt tttttttattt tttttttttt tagcaaagaa aaagaacttt tattttcttca 60
gtagtttcta atgcagacaa atgtgacaag gcagggagct gagctgaccc caagccgaag 120
gtcccgactc ctctcgggag cctggaggag tcccggtagc gaatagatca gatgcctcat 180
cctcgttcac cccaaaaggc tgagaccctg gtgtgtcctc ctcgaggacc ctccctggtt 240
ctgggtgcta gaggccgttg ctgtttctgt gacagaggga tggctttggg agtccaaaag 300
aacctaacca agttttttta agaaattcgg gggacgaagc aataaccgct tggccccctt 360
gaaagtctcg ttcaaacttt tttcaactgt aaaaaactgg ttaatctcaa attgtaaaaa 420
aattttttcc ccccttattt tgaaaaaatg catttttt 458

<210> 105

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250958

<400> 105

cagttgcaag atttaataga gtgaaataga gtgaaaacag agctcccata caaaggggaag 60
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gcctaattag catttttagtg agctctctga ttgggtgggt gtgagctaag ttgcaagccc 240
cgtgtttaa ggtggatgag gtcaccttcc cagctagggt tagggattct taatcggcct 300
aggaaatcca gctagtcctg tctctcagtc cctctctca acaggaaaa ccaagtgtctg 360
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<210> 106

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 106

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tgtccagta atgccaactt ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
ttctgttttg caggcttctt ctcccttgcc tggtcatggt tttctggtga gaagagtgtt 240
cctggccttg ctggaggttc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
ctgctccgtt tgagagagta gaattccctc atcaagtctt ccacctccca ctgctcttcc 360
ttcagcctct gg 372

<210> 107
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA252219

<400> 107
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 caataatacc agggagctga gtaatctaata acaaagcaag acaaagccag ggtcactgga 180
 agcagcagtg gtctttctga ggaagttgca gctgatcacc aacctgaatg aagtgatgta 240
 atggaaaata gaagtgtttg aaggaagatt gcttttagtaa ctgaggagga gagaggaaaag 300
 aggagaaaact gcacaagtgg gtagagatgg gaaagtccat ggcctatggg gaagggtgagg 360
 aagttgactt ttattttcaa tgtgccgtg 389

<210> 108
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 108
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 ttagggcaca ctgccctgcc ggcataagcca cagcttcacc acccaggaag ctatgctgag 180
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 tgattaaact cagcctccag tccccgcgcc cataggtcag g 281

<210> 109
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 109
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 aggttccagg tgctgaaaat gaacaattac atacaggaat agaggcctac tctgcactta 180
 aaaatatctt caaaaaagt gctgggtcaag gagtatgcag caatggtcct tcctgtttgtg 240
 aacattgagt ctagtgggt gaggtgtggg ttgttactat taaaaatcct tgttgtattg 300
 ggcacaagat agactgaaat tgactgtagt cctcacggtg agtctaattg cagcaacatg 360
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<210> 110
 <211> 326
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 110
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atgccatact gctagagatg agggaaagaga gccccaaagca ggaaaacatt gatttgctgt 180
acactcaaag ggcattctcat gccttcagtc caccgcctcc tcggggccaca gcccgtgccc 240
tcgcgcgggc tcagactagc tctggccctg ctgctgtcgc tgcaggttgt cgtcttcttc 300
ctggttggtcc tcgggcaggg gcggct 326

<210> 111
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256268

<400> 111
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tgaaggtttg caaaggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180
gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360
aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 112
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256294

<400> 112
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caaattaaaa aaacagaaaa caggaagaaa gggaagaagg caaaggccac acgcacaggc 120
cggcccgctg cagcgccctg ctggacggca cttcagggca caaccacac gcgtcttttg 180
acttgacagc attccgcgag gcttctggcc tctcgaaggc aaagcttttc agcgatttca 240
ttaatatctt attacgctga gatgagatga aggagatgc tacagaaata tgtcagttta 300
agccacagaa acagaacagc ttaagaaggg ctgggcgccc aagctcgtca cgaca 355

<210> 113
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA257093

<400> 113
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ggtccccctg ggttagggag atttcagccg tgagtgtgca ggtgtgcatg cacattaggg 120
ggatatctat tgggatgcag agaggtgaga gcagctcttc agaagcgctg gcaaaagaag 180
aatgtgtatt gaaacc 196

<210> 114

<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA258476

<400> 114
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aagaactagg tttagaaggt gcagagacca gggcaacttc agggatccag gtagcaggaa 120
ggaatcggtg gcctcttttg tatggccact atgggtggtg acactgtcta cgttgtttgc 180
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gcctttggaa tctaggactt gcaccagtgg gttggttgcc aggg 284

<210> 115
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA261907

<400> 115
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aaaagcaaat gcatatatgt accaagggat ggacatgacc tggacttac aaaggagctg 120
ctgtgtcata atggaaacag catattagga gaaaaatagt atttcgtgtg ctgtctgctt 180
gagtaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240
aaaaaaaaac caccagaagt tgctccaga taacgatgta gtggcagcat gataactggc 300
atcaactcac ggtcttctca ttttcccat tttctataat tttcctcttc ttttcatcta 360
tttttttctt gaagatg 377

<210> 116
<211> 181
<212> DNA
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<220>
<223> Genbank Accession No. AA278767

<400> 116
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gacactacta catattaggg agcatctatg caaataaaag gaaacatcaa attcattaaa 120
atgtttacct atgaggtagg ggtaagaggt tagatatggg agtaaggact ggagattaaa 180
a 181

<210> 117
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA279313

<400> 117
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ctttattctt gttggtttgc tttgaatccg ctccgtgtaa agtcagctaa ctctctcggt 180
 cacgggcgtc cggctgtcca aaggctcctc tctgtttggc cttggaatgg aggatgaaac 240
 aatgtctttg ggctctccct cccctcgggt tttgtacttt tctggggccg ttgcggggtg 300
 gcaaccggg gctgagtcct aaccgggtcc ttggggcaac cgctcgtctc cagtgaagct 360
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<210> 118

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279757

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 agccctcaca ttctcttgat ggaaaaaagt tttgtcaacg atattttcaa tctgctttgc 180
 ttttttattt ctgcctagct gcatttttat ttcatcactg ttcattttgt tctctaggag 240
 tcgctgggtg tgatgctgaa aagttacagg atctcttcca ggaggaggat ggcagtacag 300
 cagcttacca ctgacatagt ccttcaggat gtacgcgcga gatcgaggct ggtctggctg 360
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 tggaggtcgg tggggatctt catcctctct aggcgttatg atgttaatgc cataggtagc 480
 ttctaaaaaca tgtcttggaa tattctggca aac 513

<210> 119

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279760

<400> 119

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 atgcaactag agaacatcag ataaattata gtaatttggt tttaaaaatc cattaaacta 180
 tctcttacct ctgcaataat gtatcatata tgcagttaca gaagttagta gggaaaagca 240
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<210> 120

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA280929

<400> 120

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 taagttgcag acatcttgac ccactactcc ttactattcc agtgtctatt tcctatatac 180
 aaagggaatc taccaggtaa tcatagtaca acaatcaaaa cctggatggt aatactgac 240
 caatatgaat ataggatcct caggtgccat tcaacatttt gcctcttctc ctttatattt 300
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 aaatgcc 367

<210> 121
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 121
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 ggcagcaggt ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg 180
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 gcaggggggg tcacagggcc ctgtatgcag ggctgctggg acaaagaaga ggcccagaga 300
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 ggctctt 427

<210> 122
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 122
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 ggaagaaccc ctccccagat tggcccagtt tcaccagcaa ctggtctcag ctcagcctta 180
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 tcggctgatt gtgtccg 257

<210> 123
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 123
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 ccaaaaaaac aaacatcatt cttagcaaca tcaattactc ttccacacaa aacagaaacc 180
 ttgtaaaatt tattttcgta tttttaagga gtaatacttc cgtataaagt atatgcaaga 240
 gataaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300
 aagcgctaca gttaattttt ctttttttga atgttttttt tcctgtttta ataacaaata 360
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<210> 124
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA281599

<400> 124

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gtagacaattt ctttgaggaa cagtaaatga ttattagaga gaaggaatgg accaaggaga 180
cagaaattaa cttgtaaatg attctctttg gaatctgaat gagatcaaga ggccagcttt 240
agcttgtgga aaagtccatc taggtatggg tgcattctcg tcttcttttc tgcagtagat 300
aatgaggtaa ccgaaggcaa ttgtgcttct tttgataaga agctttcttg gtcatatcag 360
gaaattcca                                     369
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<210> 125

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282247

<400> 125

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aaccagttc tatttgatta actatgaata gcaaagtttt gtgacttgtg actcacttaa 180
atcacccatc tgaaattcat ttacaagggt tttacattaa taaaacagta gtgtgggtaca 240
tgtattggac tcagatgaag tctaaagtac actggactct agagagtgga ttacatacca 300
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<210> 126

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284153

<400> 126

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ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180
gaacagagga aatttcttcc atgaattgcc ctcttttcgg taccgcat gtttttagtta 240
cc                                     242
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<210> 127

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 127

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ttgttttttc gtttacatgt tgggacactc cattttttct ggtttccctg aataaacttc 240
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acacatactt tgtccggtct gaacagggtcc aggggtccac cggaaaactcc aatattgagc 300
 ctccggttgg gtttggccta aaatTTTTTgc ggaagaacct gggTgggcca tttcaaacca 360
 agtggatccc tCctgaaaag aaaagttccc ttactaactg cttctgagcc ctcctttaag 420
 tggacggc 428

<210> 128

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284920

<400> 128

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 ccgtccccac cccccctcc accgctgggc ccatcagtgt gtgttggggg gatgcttgca 180
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 acaaTctct ctcaaTgta ttattttggt gacaaaaatg aaggagcttt gtaaattttt 360
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 cagca 425

<210> 129

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287389

<400> 129

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 ttggtttaat gcacaacttt gaaaataact cattaaaaca cacatcaaga tgctactaac 180
 aaattcatta atatccaaga ttcattactg tatgtcaaag gtcattccagg attaacattt 240
 tcattacaat gaactgtgaa attccaatga aaatgtttg cctgaattaa attatttaat 300
 ctctcaaatt ggaagtctag cactcttgaa aatcaaattc acacacacac agacacacac 360
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<210> 130

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287832

<220>

<221> unsure

<222> (1) .. (478)

<223> n = a or c or g or t

<400> 130

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<211> 424
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 134
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 gcttagtggt aaggcgtgaa gggcgaggcc agacagctgg aggcctggtc ctccactctc 180
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 aagg 424

<210> 135
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA298981

<220>
 <221> unsure
 <222> (1) .. (340)
 <223> n = a or c or g or t

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 ctgctttgca aagaccggg agctggcggg gaaccctggg agtagctagt ttgttttttn 180
 cgtacacaga gaaggctatg taaacaaacc acagcaggat cgaagggttt ttagagaatg 240
 tgttttcaaaa ccatgcctg tattttcaac cataaaagaa gtttcagttg tccttaaatt 300
 tgtataacgg ttaattctg tcttggtcat ttgagtattt 340

<210> 136
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA308998

<400> 136
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 aaattcagag taacatgagc aaaacctcag ctaaaaccca tttaagtggc atggattgtg 180
 catgatcttt gataagaatt cctcatgtac ttgtgcctag tttttcaagg tattggctgt 240
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 gttcatttgg agagtcaggg cgaaagacag gtgatgtagc acttctgttt ttaataatta 360
 ttgcttaaaa tacctattaa tagttttggg tcattttaaag ggacttgagg aagctacca 420
 ggattacaga agagtgtcca cctaacaaga tggctcggca gtttcctagt tttgtatctg 480
 gttcaataga aatatgtgaa agtggtaatg tcatcatttg atgcagagtc cggggg 535

<210> 137
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA312946

<220>
 <221> unsure
 <222> (1)..(324)
 <223> n = a or c or g or t

<400> 137
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 actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180
 ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtggctca agaaaacaag 240
 ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300
 aagttactga aaaaaaatgt gtcg 324

<210> 138
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA316686

<400> 138
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 aggagatcca gagttccaat ctggagacgg ccattgtctgt gattggagac agaaggtccc 180
 gggagcagaa agccaaacag gagcgggaga aagaactggc aaaagtcact atcaagaagg 240
 aagatctgga gctaataatg actgagatgg agatatctcg agcagcagca gaacgcagtt 300
 tgcgggaaca catgggcaac gtggttagagg cgcttattgc cctaaccaac tgatgcgtgc 360
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<210> 139
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 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA328993

<220>
 <221> unsure
 <222> (1)..(160)
 <223> n = a or c or g or t

<400> 139
 gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60
 tactaaaatg tgaccctcat ttttctttac atgaaagaac atagaatatt tcacaatgca 120
 tcccacgtgg taagaataaa aaattgtttt agttatatgt 160

<210> 140
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA342337

<220>
 <221> unsure
 <222> (1)..(359)
 <223> n = a or c or g or t

<400> 140
 agagataacc agtttatttt ggggagcaaa gagaaagggg ccctaacccc agactgcctg 60
 cgaagagggtg aaatggaatt gaatgggatt atggtcagcc aaggcttcct agtggagctg 120
 ctacctganc tgagttttta gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180
 ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240
 ttgtttcaag tggctcccct tcccagtgct tgtgtggacg atggactgaa gaggagaagg 300
 ctgggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359

<210> 141
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA347359

<220>
 <221> unsure
 <222> (1)..(346)
 <223> n = a or c or g or t

<400> 141
 gtgttgcaaa gcctttaatt agaattgttg tattttttac atcatgcata acttcacatt 60
 tgtgattaat tagtaattat ttcaatactt gtaagcncat ctgcctcaga tttaatcata 120
 atacatgaat taaattaatc aaattaagga acagcaattt agaaagaaac acactttaag 180
 aaatcaaaat tctcaattca ggcagtctgt ttctatcatt tggatttcta ctccctttaa 240
 aatttcatat tgccaacaa aaagtgggta tttttactgt ttttggagat gactgaacag 300
 atgaagggca tcagatgcct tcatcagctg ggtattttgc ctaaga 346

<210> 142
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA350265

<220>
 <221> unsure
 <222> (1)..(196)
 <223> n = a or c or g or t

<400> 142

caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60
 gctncgttac aatgaagaaa tggtttcctt tcgatgcaaa gtataattgt aaaccacagt 120
 gctcgcacag ttcacgnctg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180
 taaaaagtca acacag 196

<210> 143
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA358038

<220>
 <221> unsure
 <222> (1)..(286)
 <223> n = a or c or g or t

<400> 143
 cagggttattt ctcttttctcc tttttaatgt agagctgcag atacacttaa gttgccatag 60
 taatggcaga aggagggaag ggtgttttct ttgtaaaatc attggngtat acaggatggc 120
 ttggcaggta acaacactat ttctacgata tctacttatt aatataattt tatgttaata 180
 tcccattctc ctcaccataa tcaccataat gttcaaattt taatttttga ttcattttga 240
 atgtttgcat gtgaaaacc aactaatcta ttatttcaac attaaag 286

<210> 144
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA374109

<220>
 <221> unsure
 <222> (1)..(287)
 <223> n = a or c or g or t

<400> 144
 cgccgaccat ctctgcactg aagggccctc tgggtggccgg cacgggcatt gggaaacagc 60
 ctctctcttt cccaaccttg cttcttaggg gccccgtgt cccgtctgct ctcagcctcc 120
 tctctctgca ggataaagtc atccccaagg ctccagctac tctaaattat gtctccttat 180
 aagttattgc tgctccagga gattgtcctt catcgtccag gggcctggnt cccacgtggg 240
 tgcagatacc tcagacctgg tgctctaggg tgtgctgagc cactct 287

<210> 145
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA380393

<220>
 <221> unsure
 <222> (1)..(292)

<223> n = a or c or g or t

<400> 145

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catggagtca gggacatggt taattcattt gtgaatcccc tggtagctggc acatagaaaag 60
cgccccatat tatctgcaaa atgaatgant gaataaatga gcaagtaggt gaatgantga 120
ttctnagggtc tcttccagct ttgatggcct atgaccgtgt gactcctgca tatgcatgan 180
cacacagaca cagacactac acacatgcac agacacacat acacacttgg ngcaaagagg 240
gatgaagcct gccacactgc aggtgggtcct agctgcctga cctcccttcc tt 292
```

<210> 146

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA382275

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 146

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aaataataaa tgaaagattt tattcatctt tgtagataac aagcactcaa aggttaatga 60
gtgaaggaga taaccatctc ctccaaacaa agnggctctt aataacgcag aagcaaaaat 120
ctttccactt ttagatgaaa acaaactaaa aaataacttc aggcttcaga tatggaaata 180
aagcaccatt tttcaaattg tagacttggc ttacttaaaa taagtaaata gcccccgntc 240
atctgaaaaa gaaaa 255
```

<210> 147

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386264

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 147

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ttattttaata actgtagaaa tccaaaagaa ttagcatcaa atcttgaagt cgtgagtnaa 60
gctgcggtgt ggcttgactg ggctcagcca ctgagctgcc tcaaccggcc aaggaacggg 120
attatgatga ctatgcggac ttctatattg tcttcatctc attgtgtgta ttatgtattt 180
agtttcaata aagcatttgt accaatggct ctggagcttg gaggaagact aaaggaatgt 240
gtagtgattc tgaagtaaga tgtagaccta cgcagcagag ctatggggga gaagattaac 300
aaagtccttt cttccaatat caggatagtc atgagttgca gtcccatcca aaaggtcatt 360
agggctnaaa ggccctctgt gtctctgaac tatgagattc ttgctcc 407
```

<210> 148

<211> 205

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA386386

<220>
<221> unsure
<222> (1)..(205)
<223> n = a or c or g or t

<400> 148
ggnggtaaaa ttncactttt atttggccaa tgtgttcaat tcgattgtna aatagaaatg 60
cctganganc tgnagcgtc tgattcagct ccagcatcct tcttcaggcc aaagaactcg 120
aggatgcgct ggttgtcggg gtggtcgctg tcgatgaaga tgaacaggat cttgcccttg 180
aagctctcgg ctgctgtttt gaagt 205

<210> 149
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA397919

<400> 149
ttttctgttt aagaacagct ggtttattct tttgatttat tgtaggtatt aaaagtttct 60
tttgtgagat ggcacatagg caggtttggg gtttcctaac actatgaata tcttaaattg 120
cttttgaaag ttttatccac aaagaaagaa aaataagggt ttcctcacag ttgaaaatag 180
tttttgaaaa aagggttaaga ggaaaaaaat ctaaatacca tccttgataa agaaatggaa 240
cttcaagtta aaaatacaaa tttaaatgaa gttttataaa atattaaaaa ctagctaaaa 300
gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaactta aatatgatac 360
aatttatcaa caataaataa acatttcagt gcaaatagtg cagaaaaatt tctcaaagat 420
catagcaatc attctaatacg 440

<210> 150
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA398280

<400> 150
tttgcggtggg tcattctgat ggtggctgct gtcagcctcc aagtggctta tgggatagga 60
caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaagggt tgtgagataa 120
tgcaaactcg gcctgtcacc tctgcagagt acaggttccc atactgtgag gcagcagcag 180
cagagggaac caccagagaa acagcatttc agaattgtct ttcctttggg gtatggatat 240
gtgtgtgttc tagtctttgg tgggcaatgg aatctgcage tccatgacaa tcttgттаag 300
tagcttatgt gggaaagtgtt tcaggtcaca agggccaccc attctaaggc ttctcactta 360
attccccagg ctaagagaca ggtgggggaaa ggaaaaacct agcaccttgc tatactgaat 420
tgga 425

<210> 151
<211> 382
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398903

<400> 151

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tttaaattag tagagacagg gaatcttact atgtgaccca gactggtctt caattcctgg 60
gctcaagcga tcctctcgcc tcagcctccc aagggtgggt tatatgcgtg acgcgctgtg 120
cccggctcca aagaacattt cttaagattg gtggtgcaag gatcacacct tgagaaacac 180
tgatttaggc cttccacag taaaaagaaa tggtgcctgc cccatcctta cagcacacct 240
gatgacttac aagaggtgct gctgaattcc tcccaggga gcaaccttaa ttcttctcag 300
caagacaagg aggcagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
gtctgatggc aaatttagag tg                                     382
```

<210> 152

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398908

<400> 152

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tttcagatt tataatttaa tggtgtgca gatcccagtc cctcatttct gtcgctcacg 60
tgccactgg tctggggcca gggttttctg ttcaaaggca tggatgtgcg ggactcttct 120
gctaggcacg cgttcaccag cctgtgtctc tgaagcagcg gtttcccctc gaacttggcc 180
gacaccacca ggactcggaa gctacaggag caacggttga gggtcgtgtc ctccacctcc 240
acatgctccg cctccaggtc ccgtgcagc ttctcgcgga ggtattcggc gctgagttcc 300
atggcggcag tccagctgga acggcagccc agcagggaca caacccagc tcgggcgccg 360
gcacgctacc ttgctgcctt acaggagcca cttccgctgg aaaactcact tccgccttac 420
taaggcgtac gtcaacgcag tacttccgc                                     449
```

<210> 153

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA399273

<400> 153

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tttttttttt tttcagaact atctgatatt tatttcccaa tattttgata cttgttttac 60
aactggaata catggaatga aggggtgat atgggacccc aggtaagagt gaggtcagga 120
ctctctaagg gtctgggggt cccctagag ggactttggg catccagttt cagggactga 180
gccgggttgg gtcggggggc agcatggcat cggacgtggt gccgtctgtg cctctcctgc 240
ctgcggtaca gccggcgag gtgtttccga acggcccaca gcaccaggta cacctccac 300
agcaactcag cctccggagt cttcaaaggt gac                                     333
```

<210> 154

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401433

<400> 154

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ttttataaac ttattacgg aaaatgccaa acatacaaaa atagagatga acatatataa 60
tgaacatca ttttagccat caccagctt caacaattat caaggccaat ttcgtttcat 120
```

caatattttcc aatgcactta acatccagac ttattattttt gaagcaaatt ccaagaatca 180
 tatcatatca gccacagatg ttgagaatg tagatgagga cctttctttc taacataatg 240
 ataaaacat tattctaata ccaaataccc caccaatggtt caaattaccc cgattgtctc 300
 ataaatgtat tcgtttttaca gttcgggtcaa atcacaattc aaataagatc caattaacaa 360
 ttggttaata tgtctcttaa gtctctttaa atctataggt tcatcctcca tctttcatcc 420
 ttgcaagtta tttacagaag aaactaggtc atgtgtcctg tagtttc 467

<210> 155

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401965

<400> 155

gagagcacia ctccaaatca tcttttatta atataaaaag ggcatattta gcaaaagaca 60
 cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggctgtgcc 120
 cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg 180
 gtaggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
 gggacctcgc tgctaactct tgttgtgggg ggggtgtcctt agtgctgcca cctggagggc 300
 cactccttgg ttcttgagg ggacccacca agggacacag gacaggaagc ccaggatggt 360
 tagtgcaact cgggatga 378

<210> 156

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402000

<400> 156

tttttttttt gatacaacta gcaaatgttc attggtttac aacaaaccca aaatactcat 60
 caaatatggg ctggttgatt tagaaaaata agattcctga gcgattccag ctgcatttgt 120
 ttatacagaa cacatttact caggaccctg cagtgtcagc ttcgttcttt gggatgcag 180
 ccttctatct ggatctctgc aggcagcca gaatatctgt tgttcttagc atcagagtgg 240
 ttgatctttt ctctctgaat ttcggaaggg agttccaagc cttttgctgc aataaatacc 300
 cagctagacc tgaatttcat gttcctgatt tctttacttc caagtgttc tatggcattc 360
 ttggcatcgt tattcagctc tgtgcttccg tcgtcatagg tcaccatgaa gagcagggat 420
 tttggagcag cactctgaat aaactttgtc atcgggtccag agttatcgcc ttcatacata 480
 tcaaaacatc gtgttgctgt cacattccca gttacatagt tgacaatggc aatgtttatt 540
 cctctggcaa catttcccag ctgttctccc ataagtaggt tatcctcaaa gcagattttg 600
 gcgtacttgc ttctgccacc tccgtgaggt aacctgtagg c 641

<210> 157

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402224

<400> 157

tttgtttcta aaaagtttat tgtaaaattc aaagcttcaa cagcagcatc ctttagaaaa 60
 cgaagcattg cccggatccg ttttgaaaaa gcagcgcagt cggctaagtc cttcacgctc 120

ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgagggc tgctgagtc 180
 cgccctgccc gccagtcctgt ccttcctggc cctgaggcca acgtccctagc ctaggcccttc 240
 ctgggcgagc agccgctcca gacacttgca gagtccctcag ctccgaccag 290

<210> 158
 <211> 269
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA402903

<400> 158
 cccagggcag tgggtgggtgc tttatttcca tgctgggtgc ctgggaagta tgtagacggg 60
 gtacgtgcca agcatcctcg tgcaaccgga gagcccgagg aggggctctg cggccgtcgc 120
 actcatttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180
 atcacgggca tgagaagacg ttccctctgt gccacctgct cttgtccacg gtgagcttgc 240
 tatagaggaa gaaggagccg tcggagtc 269

<210> 159
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA402930

<400> 159
 gatttgcattg ttggctcaac tctttttaag tccaaggagg cagtccacat taagtgtgca 60
 ggcaaaaaag agatggaaaa aggagtcagt ttctcccctg cctccctctt ctccttttat 120
 caagctgagc accttgagtt gcatttgagg aaatgaaaac tataggtagc gcaaccccat 180
 tgtgtcgaat tctttcttta catTTTTTtg gttgctacaa ggaatcagta tttttttttt 240
 ttaatcagat ggtgtgtgtg gtggctcaca tctgtaatcc cagcattttg ggaggccgag 300
 gcaggaggat cacttgaggc cagaagtttg aggtctcagt gagttatgat catgccact 359

<210> 160
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA403159

<400> 160
 tttttcattg tgcaatacac ttttattttc cttttacctt tgcagtcac ttcgagtaat 60
 cgttgtgtaa acaatagaat ggaatgaaat tacattaaat tgtatgcaaa tggctctaga 120
 acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180
 ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240
 gtaccatcct gggagccac ctccttgaaa gattagactc caattttcaa aatcctaagg 300
 tttactagtt ccataatata cagtoaagca gagggctact tgggttgaaa gtattgattc 360
 ttgaacctta acagcgtttt accttttagt catt 394

<210> 161
 <211> 376
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA404957

<400> 161
 tttaaatgaaa atagaagttt tctttctgtc ctcttttctc tctctcttcc ttctcctttc 60
 cggatctttc cccaaataat tttctaataa ttcagttgtt ttctgaatat tgcttttaag 120
 ttttttgatt ttaaagatac aattagaaat aatgtatatg atgaaaaagc tgtttccac 180
 tccaattcag atctgtgac tacactggga aaaatgacca ctctcatga agttttgtta 240
 ctgacctctc ttggacttta gctctccatc tctgctgagg ggatatgaag gtatttgcac 300
 ttctcctgtt aatgaaggga tcttagaaca gaaaataaat aaatgcagtt ttagcgacac 360
 atagctggaa atattt 376

<210> 162
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA405488

<400> 162
 tttttttttt tttttgacgg ttcctatata acgtttattt ctggaagtta aagtagatac 60
 agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcacia taatataaat 120
 ttttactacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180
 accaccttat aggtaggtta gcaacc 207

<210> 163
 <211> 348
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA405559

<400> 163
 ttttttttta aaatattctg atggttttat taacaagtat ataatatata ttgcatactg 60
 tatatagtat atgaggactg tacagtacaa atttatgttc acagtttgac atgacaaaat 120
 gtcattactg aattccatt ggactacaga gtgaaacag agaaggtaca ttaaaccattc 180
 acatctttag taagaaagat taccaaaatg tttcagtatc tgcaagtata ctaacgcag 240
 ctaaaaacct ttacccattc agtcttatta gcttataaaa tatattacac tttattaaaa 300
 atttctgcat agtttataca agtattaaag tactgtaat gtaataat 348

<210> 164
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA405616

<400> 164
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 aggagagcag caggaagaca gagcaaggag gaaaggcaat cttttgtgta ttaataggca 120
 gcttatcaca tgagcagcta gagctccatc caactgggga cctttggaag agagtgtaga 180
 acacatctta ttcagagttg tctcacttgc ggggtgaagg ttgaagactg ctcttggac 240
 aatgccttct ccatttcctc atacttttca cctgcctgtg attggggcaa gcctgggtcc 300

cattgcccaa gaaagctctc aggaagatgc tcaagtgcctt gcagtaagaa gcaatcagc 359

<210> 165

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406371

<400> 165

tttttctcag tcattacttt tcttcggtgg cactttgttt tcttgtgaca gtgaaaaggg 60
tactgtggag acgagacagc cccattgcaa tttatcaatg aaaatctaata accgcccata 120
agcagagaag tggaaatcaa tacttcatta ccaaattggt agtgaggatg aagagaaatg 180
gctggggtga tttttttttt tttttttttt ggcagtcttc tcagagccag ggtgtcagga 240
ggagttcaat gagttcaatg tcagaagcag gatggtgcaa cgaagaaggg ttcagtgtga 300
gggatccag gctggaaagt ggaaactaag gcattcgtcc tgcaga 346

<210> 166

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410298

<400> 166

gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcactttcc 60
ttgctctctc tctgtcacct cctctttcct gtggctctga ggaggtggga gaagcaggca 120
gtatttccac agcagctgtc cat 143

<210> 167

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410311

<400> 167

ttttttttaa agtaacattt aatgaatata catttataaa agccatcatc ccttaacatg 60
gggaaagtgt acaaaaataa tgtgaaagtg taaaaatttt tctagaatac aggaaacata 120
tcagcagtaa agaagtttag tttaactttt tttttaaatg taaaatagtt tggatctgtt 180
aaaaggaata cagttcgccc aaagcactta ttttcatctg ttgtaaactc attctttcta 240
ccttaagtaa actggaggag tcagctgtgt taatatggtc aaattaattt catagttt 298

<210> 168

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410355

<400> 168

gcagcggatt ggggggtggc aggggatgct gctgatgtgc agagacatcc ctttttccgg 60

```

cacatgaatt gggacgacct tctggcctgg cgtgtggacc ccccttcagg cctgtctgc 120
agtccgagga ggacgtgagc cagtttgata cccgcttcac acggcagacg ccggtggaca 180
gtcctgatga cacagccctc agcgagagtg ccaaccaggc cttcctgggc ttcacatacg 240
tggcgccgtc tgtcctggac agcatcacgg agggcttctc cttccagccc aagctgcgct 300
caccagggcg cctcaacagt agccccggg tccccgtcag cccctcaag ttctccctt 360
ttgaggggtt tcggcccagc cccagcctgc cggagccac ggagctacct ctacctccac 420
tcctgccacc gccgccgccc tcgac 445

```

<210> 169

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410383

<400> 169

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aagtaaaatg tttgctcaac tttattgaat gtcattagat ttataggaat cattaaagaa 60
ttagatacca gagtcccccc ggcccagacc cccacaaaaa aagtcagtga aaaagatgtg 120
agtgaagaa gtttgtcaag gcaaagtgtg gaaaggatac atgtgtacat caccctttaa 180
atgctttccc tgagtattct atgaagtctg gggatcttcg aatgctatta atcttagaca 240
gtaaatttta taaagaaatt ctttaaaagt aggacttaat tctcctccgt agtgagtttt 300
taagcagagg atatctacta catggattcc tttgcctctt gacaggctca agttccatct 360
gcctcccagg cagctttttg agtctttcat agaagcctgc ttttaataata tgcca 415

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<210> 170

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411860

<400> 170

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agatggatttt ctctctgtat cttcaagagt tatcagatgg tacatgctcc tcaaagccct 180
cactctctcg aactagagca cgttccagga tcacgcggcc ttccttataat cgctggctgt 240
cttcagtggc aaactcatag atccatccca gtttgctatt gcagtttttg cagctcacat 300
ctcgaaccat gtggcgccca gtgagcatga cccgatcttg aacttcactg tactgcaggt 360
taactacctt gttaaaaaga aatgctctgc cagtggggcc tgtgaa 406

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<210> 171

<211> 73

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411952

<400> 171

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ccttggtata cag 73

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<210> 172

<211> 289

<212> DNA
<213> Homo sapiens

<220>
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ggggacggca caagctcact atgacaggag cagcaaggag cgggccagag gagggggtag 180
ccacgacccc caggatcctg ggcaagaagc ggcagacaaa cttggcacag gggcctaggg 240
tgaggggggac tggggcctgg gtattctgtg ggggaggagg ggggatcac 289

<210> 173
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412049

<400> 173
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ccccaatact ggatggagaa ggatgcccc agtcctagat ggagaaggat gccccctca 180
gtcctggatg gagacgtcat gagtaactgt cggtaggaaa catcatgttc ttcattctgc 240
ccttgctcct tgggctccaa caggaaaaac cagaaattct gtggatataa aacatggaaa 300
cattcattct ttaaagaaaa aggctgcaga gacaagaaca gcgaaaggat ggtattgaat 360
acatgcaaat ggataaaata tgaatgatta tgttctcatg ttcaac 406

<210> 174
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412063

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cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180
gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240
tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300
ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360
aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420
acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480
gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521

<210> 175
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412505

<400> 175
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 taacaggtag aaatgcagac agtttcatgt taagccttta gaatttcctt tcacggcagg 180
 tttccaaaat aaactaactt ttctaacatt tattctcaca aaaatatatt tcaagttaga 240
 ataaacaact cattggcttc agacatttaa ttgtatgtat ttaaccatac tcagataatt 300
 gtcatatatta gccaaatgga ggctttttct gtgacctatt tccaaattct cagattctgg 360
 ttcattctact ccttcaagca gtttgga 387

<210> 176

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412722

<400> 176
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 tggcagataa gacacagttt tggtgggtga atgagcggct cctcccttgg tccaggaaga 180
 gctccccctg cattgggtga tgaaattctg tctttctgaa ggccgggcag tgcacagcgg 240
 cccttcctct ctgggaatgc ccaggctcac acagtccact tcagacacct ggtctcctgg 300
 tgggtcccca gacagcgac agtgcagtac cgggcaccgc agctgacaca ggtgtagggg 360
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<210> 177

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416685

<400> 177
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 ggccagtaca tctgtggaca atgtcgagtc ctccaggaagt ccaggaggct gctacagagg 180
 aaatccaaga accatgtcac atctctcaac aagtcttggg aagtccatct gactctctga 240
 aacagtttgt ctctgacctc ccagggaagt tggagggccc cttccatcca gcctgtacag 300
 agggatcaga gtccaggctc cttctatagg gttgaatatc agaggggaat agcaaagac 360
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 aaggcag 427

<210> 178

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416762

<220>

<221> unsure

<222> (1) .. (527)

<223> n = a or c or g or t

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 gcgtgctggg cttgaggtgt aagctgggga gggagggcag ccgggaaggg tcagtgggtcg 180
 ggacctgcaa ccctttcacc ccttctggaa gactcgtgg gcagggaggg agcctcctgg 240
 acctggactg gggcttatcc caagggatga gagccgatag gtctacaggc tcggcccaag 300
 ggcccttcca ccctaggaag aggaaggggt gccggcgtct atctgctgga ggggtgggtcag 360
 gcaaggctgt ggggctgggt ggccagccct tcaactcgtg acgtcccaga tctccgacag 420
 cagaggcggc agcttcttgt cctggagccg caaggannga cctgctccga gtgcacagag 480
 ctcagcgtgc gcaggctcac cagcttcctg agcatgcgcg ggaagag 527

<210> 179

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419011

<400> 179
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 gttatctctg agtaaagggg gtaacaattc taacaacctg gcttccttag aagtttccat 180
 tctcatatag tcaccgaagg cagcagcact caggcgtttg ctgccgtgcc tgcccttttg 240
 tttctgggac ggctcgggtc ccgtagcgcg ggcacagctg agattgccaa gccgggaaga 300
 gaccttgctc cagggtgtagc tgcgttttcc ccagatcacc tgtccttttc ccctccgaca 360
 aggaagct 368

<210> 180

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419546

<400> 180
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 ataagaaaat gttttcccaa cccacaaaaa acagaaaaaa atatattaat tttataatta 180
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 aactaagggt aattttttatt 260

<210> 181

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421562

<400> 181
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 taaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180
 gttcactatg cttccacact agccagtctt ctcacacttc ttctggtttc aagtctcaag 240

gcctgacaga cagaagggct tggagatttt ttttctttac aattcagtct tcagcaactt 300
gagagctttc ttcattgttg caagcaacag agctgtatct gcaggttcgt aagcatagag 360
acgatttgaa tatcttccag tgatatcggc tctaactgtc agagatgggt ca 412

<210> 182
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA424530

<400> 182
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ttcatcgatt tttaaaaagg aaaaataaga aggaatgcat tgtctctttg ttatgtgcat 120
ggcagctgat ggctcgttc ccaggcgccc aggtctacct gaacatcaga tatgcagacc 180
ctcgaattta caaccaggga cagccacggg cccacgcctg gatctccatg ggtgcacaga 240
cgggaacgta tcaggctgtc tcagatgcca cctccttccc aggtgcttgg gtccacatgc 300
ccaacatgtt cttaatagaa atattaaca 329

<210> 183
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA426372

<400> 183
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cttgatcgag tacttgaggt aggtgcgccc attctgctgg tcgaaccacg gaaccttctt 180
ggcctcgggt tagatcttgg ccagcgacga gcggttgcgc tcgccagacc tacggatggg 240
ctccaccacc agctggctgt acttgcccgg ctggttcttc ttcttgctat tcttctctt 300
cttag 305

<210> 184
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA426374

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tcagcctcgg cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggtcctcgc gggcctcaga gaactcccc tcttccatgc cttctccac gtaccagtgc 240
acaaaggccc gcttggcata catgagatcg aacttatggt ccaggcgagc ccaggcctcc 300
gcgatggccg tgggtgttgc cagcatgcac acagcccgtc gcaccttggc caggctctcc 360
ccagggaacca ccgtgggggg cctggtagt aatgcccacc ttaaaccag ttgggcacaa 420
tctacaaact ggatgggtgc ctggtcttga tgggtggcgt ggcgcgttga catctttcgg 480
gaccac 486

<210> 185

<211> 133
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA427622

<400> 185

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ggttagaggc atc 133
  
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<210> 186

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427890

<400> 186

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atccaaagag tggctctagtg tgttggcatt ttcacaaagt acagtcctag aaaatgtcaa 180
gttgaacaat aagatattga ggcacattgg tcaactgtga ttctgaattc tttagtatgg 240
tcagaggaag tagttaatat atttcatgtt gattctttgg ctactcttga tttttgcttt 300
gggtaacatc ctcatcctgg gaacattcat taccacttaa tagcaagata acattaaaaa 360
aaaatccttc attgccacat ttaatagcat gtttaaaaag gcagagggtg caatgagctg 420
agaacgcact actgcactcc agcctggg 448
  
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<210> 187

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA428325

<400> 187

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agcacagggt ttttgctga taccggtag gccttattaa gaattagctc ttattttcat 120
caaaggtaga gaaaatgagt aactattgag gccccgct 159
  
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<210> 188

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA429539

<400> 188

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atcttgtttt tctgatcgga gcatactac tgacctgttg taggcagcta tcttacagac 60
gcatgaatgt aagagtagga aggggtgggt gtcaggatc acttgggatc tttgacactt 120
gaaaaattac acctggcagc tgcgtttaag ccttcccca tcgtgtactg cagagttgag 180
ctggcagggg aggggctgag aggggtgggg ctggaacccc tccccgggag gagtgccatc 240
  
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tgggtcttcc atctagaact gtttacatga agataagata ctccactgttc atgaatacac 300
 ttgatgttca agtattaaga cctatgcaat attttttact tttctaataa acatgtttgt 360
 taaaac 366

<210> 189
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA429636

<400> 189
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 atgattcgct attcatcaca ccccgaagat tgagatccac tgtatttaca caaagcaaag 180
 ccatgtcagc aagggactgt caacctgatt ctgagaacat aaacattcaa aatttatttt 240
 ccagtgttcc tttttgg 257

<210> 190
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
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 cctggtaaat actggtggaa caagacagct gagaatgtat gacatctgac catgaacata 180
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 tgggtgctgg tcttggcagg gcactactg gggatagggtg gtttggggtc tcagtgggtg 360
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 atgcaatc 428

<210> 191
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA430388

<400> 191
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 cagcagtaca cttagcaatg aggctgtgtt gatgaggaag tgccgcacatc atacttggtg 180
 tagaagctgg ccaggagata gagcacaata ggagagatgc tgaggaactt gcgggaagag 240
 gtaaaactgga gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg 300
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<210> 192
 <211> 259
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431470

<400> 192

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ggagctccat gaggaacct cagagatgca caatgacagt ttagctaaaa tggcttaaaa 180
aatgtgaatt gattgtcagc tctctccata tctgctgaaa aaagggttaa aatttttaaa 240
aagtttaaaa gtgttttct                                     259
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<210> 193

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432162

<400> 193

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cttcttacat tccactgaac agaaaaccat cccttctact ggcattgaact tctgccaat 180
gaggcatttg ctgcagcaag agcacagaaa gcaactctgt gatgcatgcc agctgaaatt 240
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agcgtgattc ttcacatagc agggcttgca cacgggcttg tcattgacca tcacgtatat 360
ctccccagct agaatgctat cacagtcaaa gcagcagaag tgtttcaggt gccaatctct 420
gttttctgcc tgggtatact cattgctgaa tatcagctcg tcacagccag cacatcgggg 480
tttctcgtc                                     489
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<210> 194

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432292

<400> 194

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aaaatgaact caagagttgc tacatttaac tgtatcccca tttatctctg cacgatgtct 120
tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat 180
tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt 240
aaatactttt gactttgaca cctaccatat tggaaatgac aggtgcccga gggcaagtgc 300
atcaaagcag ttaggattcg aatgcttgct aaggattatt tttttaatgg agcagttcta 360
ttgaatc                                     367
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<210> 195

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA434108

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 gaaaacctaa agacccacc ccaggatctg gctgaagcag tcttcccca gcttcttcac 180
 tatgaccttt atacaactat ggggggtggg tgggatcaca caggcataaa agggctggaa 240
 attccccaca cagcctccaa gggtaagaaa tgagtagctt cacatatcac aaaagtggga 300
 tttggaagtt tgggggtggc tag 323

<210> 196
 <211> 506
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA435720

<400> 196
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 gcaggggaga acccaccaca cctccctc agtattcttc gccttcttca gcctcagctt 120
 ccacggaatc cagcccacc tcttcataat ccttctctag agctgccagg tctcgcggg 180
 cctcagagaa ctctccctct tccatgcctt cgcacacgta ccagtgcaca aaggcccgt 240
 tggcatacat gagatcgaa ttatggtcca ggcggggcca ggctccgca atggccgtg 300
 tggtagctcag catgcacacg gcccgctgca ccttgccag gtctccccc gggaccactg 360
 tggggggctg gtagttaatg cccaccttaa atccagtcgg gcaccaatcc acaaaactgga 420
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 ctgtacaaca tgcagcaggc catgta 506

<210> 197
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA435769

<400> 197
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 tttcacaact aagccttttg ccaaaaaagt catttagcac atctttaag atcaataaga 180
 aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca accccatta 240
 atctagaatc ccatagtgtc gaagg 265

<210> 198
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA436616

<400> 198
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 ttacacaaaa tcagtgaatg gtttgtaaag ctacaccaat ggacagatgt ttacagttga 120
 aatcatggga tttacataat ggcaaaaatg tatatgtata tttataacat cctctatata 180
 caataatcag tatagacaga gaaaatgcac ttaatctttg caaatcatgc acaccacagc 240
 aataacacaa aatgtttttt ctgtaacaag cttttccact ggctcaggct tcattcctgct 300

ttccaacaat acctatcagt tttaaaagca aacattttca attaaaaacta aagaaaattg 360
 aaataccata gtgatctact aactatttta aaaacacaat tgtacacaaa atagttttac 420
 tctaaaacac tgtgact 437

<210> 199
 <211> 443
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA436618

<400> 199
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 agaaatgcct ttctatggta acaggctcta gaattatcag aagaaagaaa cccccacag 180
 atttgtaaca gtgtgttgga acctcggaat cccagcatac agagtatact tttatgttga 240
 tttttatttc tttttgctaa agttgaagta gattttttatg attgacattt tattttctga 300
 gtttgaaaat aagctttttc ctgcagagag tcttggcctt cacctacaca cccaagctaa 360
 aaatcctagg tgtaaaaaaa ctcaaaacat caatgcttat ttagcacgt caatctttga 420
 aggaatgctt aaaatttcct tac 443

<210> 200
 <211> 219
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA436655

<400> 200
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 aacttgttta cacaacgaag ccctaattga cccgttttga aattagaagc tggacagtta 120
 caggctttgg tctcttcaag aatccaattc acccctgggt ttcgcttggc acacacccca 180
 ggagaacgtc gatgcacaca gctgtgtagc tgcaaacgg 219

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 ctgcccaaca aatactcaga atccagggtt ttcataattc tccatgggtc aatctctcac 180
 aggtcacttt ccattcaaag gattatggag accaaataag acaggattct ttcaggatc 240
 aaccagagt ctttaggtct tctctcagcc aaggcatoga gtgaaaatac aatttatttt 300
 tcggattcct ctggaggatt aaaaagtttc tttcgcattg caatgccatg ctccctgctc 360
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<213> Homo sapiens

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<223> Genbank Accession No. AA443114

<400> 202

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caggtagtga ataaattaaa cgctcaggct ctggccccac cccagctttc agagcccaca 180
agcagactgt acaaagtcaa taatttataa cccaaaccct gggcacagtg cctggaagtg 240
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<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443923

<400> 203

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gcagggaag actgtagaca cagaaataaa tatccgatta taagctgtga ttagaggcat 180
gatggaaaag agcaaggctt cctgagagaa acaggggcag cacaggaaaa cctctctgag 240
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gaaggaatct tccaggcaga gagaaagaga aaagaccag gcacggtata gaccagagga 360
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<210> 204

<211> 213

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA446241

<400> 204

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<211> 455

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA446651

<400> 205

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aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180
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aattttcctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240
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 tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360
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<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446661

<400> 206

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 attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaagggaac 180
 ctgtccattt gagagaaata caattgagaa cttgcaaag agacaaggga agatggcaat 240
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 taagtattta ttattctgaa tgaaatgtac agttgacttt tatataaaaa tcatcaaaag 360
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<210> 207

<211> 209

<212> DNA

<213> Homo sapiens

<220>

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<400> 207

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<210> 208

<211> 449

<212> DNA

<213> Homo sapiens

<220>

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<400> 208

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 gaggtcact gggcagggtg ccaacatccc tttcaagggg atacaccata aagatgacat 180
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 ccacatttgt cttctcttcc acgtactcca ggggtgcagt caaactttcc cggttgcctt 360
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 cgccccctgc agtcctccag ttgcccagca gcagtgggac gctcagtggc acacagtggg 180
 tctctgtatg gcctcccacc tgcaagggct tccccgggca ggcccagctg ccagaagccc 240
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 <212> DNA
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<220>
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 gcagatatatc aaaattaaag agacagaaga tagacattaa cagataaggc aacttataca 180
 ttgagaatcc aaatccaata catttaaac tttgggaaat gagggggaca aatggaagcc 240
 agatcaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300
 tcccttcaat ggggatgaca aactccaaat gccacacaaa tgттаacaga atactagatt 360
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<220>
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 gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180
 ttgaattaga aaagcaagct ttgccaatg cctgattatg cctttactgg tcctgctagc 240
 tggcatgttt caccaacttt tooctagtgt ttcctttggc actgttgagc ccacactaca 300
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<210> 212
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<400> 212

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attacaggta agctacaatg ggtttaattt gcaaaagtta agtaagaaat gttttaaaca 180
aggcttaaag tactcaagtc aattataaaa tttatatctt ttgcctttta cttgaagaaa 240
tcatgctata gaaatggtta atgtgcttct aataaatgga agtattgtag ctggaatgtg 300
atacatgtaa cagtttaagt tcccattgaa ggtataaaat gatgaattgt tgtaagactt 360
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<210> 213

<211> 112

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA449791

<400> 213

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<210> 214

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450114

<400> 214

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ggataggaag ggctgcctt ccttcccacc atggagatcc taaaatcaca agtcccagcc 240
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gcagagcatg gctatttctt ctgcagttgc gaatcttccc gtcttttgtc tcttcaggaa 360
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<210> 215

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450127

<400> 215

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<211> 282

<212> DNA

<213> Homo sapiens

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<400> 216

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caaaatgccc tcatttctat tttttccctt tcagttaata atttagttta aaagtgcaca 180
cttatgggttc agtaaattggg ctttgtctag tagtcacaga tgctgagtat gaatttcaat 240
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<211> 147

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA451836

<400> 217

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aaaacctcat gacaaatgaa aattaa 147
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<210> 218

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453433

<400> 218

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cctgtgcaga ccctgccacg acagcccagc cgtccaccac ccgcctcatc tctgccaatt 180
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ggtggttccc tcccttccaa gggagtggca ctgtgcccag gggagagcca ggggatgggg 300
gcagaggagg gagacagcag ctgcttcaga ccctgagcag aaaaccagag tgagcacagc 360
tggcagcacc agatgacaga tctggg 386
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<210> 219

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453435

<400> 219

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acaagatggg tggcagggga cacttactag tataaaaaata atacaaatat tgtattttcc 180
tcttatctgc cagtaaaaaat ggcaaacagt tttgtctttc tgaagtttct agtcaataac 240
caaagatgag gagcccctaa taaagtgcct tgccctgtat gctccactgt ctatagcttt 300
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 <212> DNA
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<220>
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tgccacctct gggctcaggt cctcatgcct ccaaattggca tctagagttt gaggcagcct 240
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ccatgttgca atgcaaacac cttcaccact ggggcagtgg ggagagatgg ctatattaat 360
aaaataacgt gtgtctttc 379

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<210> 221
 <211> 426
 <212> DNA
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<220>
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<400> 221
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agaagccagg cagctaaagg acaaggaatg ctgggggctg tgggaacagg aatgcagata 240
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tgattttctaa atattgtgaa ggttaagaaa gacataaatt taggtctatg ggctagattt 360
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ctagcc 426

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<210> 222
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 <212> DNA
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<220>
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aattcagtgat atgtcattat tactgctaag gaaatcttag cccttgctctg ccttaaagga 180
atcttttattt aattttactgt aattattgct gtgtagtcac tacttttgtt aattttctaa 240
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<210> 223
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA455381

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 cactccacag aggaaattaa tccttcgttg acgccaacca tgccacttc cagctgctct 180
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<210> 224
 <211> 433
 <212> DNA
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<220>
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 gtgccatagc aaacctatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360
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<210> 225
 <211> 355
 <212> DNA
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<220>
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<400> 225
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 tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcattttaaac 240
 atttttttaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagtctcat 300
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<210> 226
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 226
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gtaattatga agacaccttt acggtgagcg ttattaaaac cctactagag gttttgggtg 180
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gttgcccacc tcgcaagtat gcagcccaat cagtccccag ggtctcgggt cccgttgcg 300
ccttccccat ggccactgcg ctcatcatg agcctagggt gatcaggcct ccgg 354

<210> 227
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA460651

<400> 227
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<211> 384
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA460914

<400> 228
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gaaaatactg gtggaaacct gttttacca aaagcagctt taatatctgt ttaaccagg 300
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<210> 229
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA461300

<400> 229
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catttcttgg aacaaactga agagtactta aaagatccca ttgaatgcat gtggcattat 180
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 tgtatgtgtg tgtgcacatg tgattctgct ttgcctgttt tactatctta atgattatcc 360
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<210> 230

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA461453

<400> 230

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 gggaaggacc cggcaccctc cctgaactt cctggctact catttccagc gaagttaa 180
 ctatttttaa taatcgttca gttttcaagg aaatggagga gctgtttttt cccacggagc 240
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<210> 231

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463311

<400> 231

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 ccatgcagcc gccaccaatc gcggaggaga ttgacctgct ggtgttcgac ctcaagacca 240
 tgcgggaggt gaggcgggct ctgcgtgcgc accgcgctac acgccaacg acgagtgttt 300
 cttcatcttc ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360
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<210> 232

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463693

<400> 232

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 cagccgcccg gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc 180
 agcagggtgt caggaatcac ctgcccgatg ccagcgtgc tcttgtctgg agggccagac 240
 tgtcatgaag tca 253

<210> 233

<211> 346

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA463726

<400> 233

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gacatcagcc atgtgtgtag cttcagcttg tcttcttttt aacttatggc tgcccatctc 120
ctgcttcttt agtcttagca tgcttaggat taggtggagt cttctctttt acatcagagc 180
catctccacg ctactccga gtcttttcca gatccatttc ctggcaatca ccttctactt 240
tacgttcttc gatcggagggt gttccttctc tctctgtgcc aggttcaata tcctgattgt 300
cagttggttg ttcctcttgc tgagattcac cgggagccac gaatgc 346
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<210> 234

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA464728

<400> 234

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tcaatcctta aaattagtct tcaatgctat gtattttagc tatgtaactt gtactgtgtc 180
aacagtgaac cttattagat tcacggtgtc atcgaactta tagcaagata aaaatcaatc 240
agtaggaatg tcatttttaa aagtaaaata gtgggacggt tgtggtggct catgcctgta 300
atcccagcac tttgg 315
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<210> 235

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465093

<400> 235

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ccagaagaaa tctaaaaata gcttcctgat attttatttt aaaatatttc atttaagctg 120
cttttggttg catgccctga tctgtagaag ttaacaagga aataaaaattt ccaagtattt 180
aaaaaattta ctcatcttcc ataaagcgac ttttaatgta tcaacactta aaaatacaca 240
gtgacttaat gaagtatcag cacaactgca tagaattgag ctccagagaa ttatacactc 300
ga 302
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<210> 236

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465394

<400> 236

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tgcattgtttc catttatatg aacctcataa tcgaacaaat ctcatctatt gtgacataag 120
tcagaataact ggtcttgtga tataaatcag aatactgggtc agggagagaa tctgggtcag 180
agcacaggag ggcttctagg atcctgatct gaatagtgggt tatatggctg tgttcaatgt 240
aaaaattcat tacgttgtac ccttaaggat tttgcatttt gtgtgtatta cacatc 296

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<210> 237

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465491

<400> 237

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ggaagctggg ccctgctccc ttgcagggga ctctgcccag ctggaagggg cagcagctcg 180
gcaggccctg accggcaagc gggcatgcag gcagcccagc agcagctgag cttccagaat 240
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ggcgggccag ggcaagtggg tggcccgaag gcactgttcg ccgcccgtgc cactctgcag 420
gctgtagtgg tcgtccgcgt cactgctgct gccaacactg tccagctcac caggggccaaa 480
ctccatgccc tctatgtcca cttcttgctc tgagtcgtc 519

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<210> 238

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476944

<400> 238

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acatttccag tgtaatgaga gataaagagg aactctgccc accgaggaaa tgactttctt 180
caccatgctg accacactgc acagcggccc atccggctgg tgaggatggg gaggtgggaa 240
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<210> 239

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477767

<400> 239

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tggcgtctgt cctggccccg cctgtcagaa gatgaacatg tatagtggct aacttaaggg 180
gagtgggtga ccctgacact tccaggcact gtgcccaggg tttgggtttt aaattattga 240
ctttgtacag tctgcttggt ggctctgaaa ctggggtgg ggccagagcc tgagcgttta 300
atztatcag tacctgtggt tgtgtgaatg cgggtgtgtc aggcacgcga gatgtgggg 360
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aaaatgtttt tgtacat 437

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<210> 240
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 <213> Homo sapiens

<220>
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 gagaatactg ccaggctttt cctaactctt ttggtctttg gaagtgggca ggggtttctca 180
 aaccaagtgt cttccatggg ccattggaaa ggcttccctt catcagcttg gaggggcaga 240
 aagaccatgg cttcagcact tccatttttg aaagaagtaa caaaaaagtg aattaatgag 300
 caatcggaag gactcaaagc attttgtact ccacagttca tttcttcaca caaacgtcca 360
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 atcaccagcc gatgttttca tgcaaaaggc a 451

<210> 241
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA478962

<400> 241
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 actttgataa ttttaaccat acataaaata tggagtaatg gaagctatgt tacatggata 180
 ttttacaag gaaaaaaga tgacttttat aataacacat ccagatgaaa tttatcatta 240
 aattttggat ttcattatgat gtttaagtat gatataattca aaacaattac tatttataga 300
 accaatttga tattttgtca tttaaaataa tgaatactat gtaaatgagt acttataaaa 360
 atatttttag gcaaaaag 378

<210> 242
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 242
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 acctgttggg tottggtgtg tgggatgata attcttttgg gtgaggggaa cagccgtggg 180
 caaggctgcc tgcaccccca tccaggcaca ggaccctggg caaagtctca aaagaggtag 240
 tgtttttact ttcgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300
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<210> 243
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 243
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 aatatgtttt tgttggtgtt gttatagttt tttgcattcc ttctacacca gagaatgaag 180
 acccagattc ttagaaataa agccaaactg gcattcatct ggtttctcac agcatcagtt 240
 tgataaaaag aatttctactg tttttttttt gtccccatgt attttgcttt ttccaatact 300
 tccaattatt tgttggtctc actaactctt caagcctggg gtggctgtag gaacagtaag 360
 cacagtggcg gtgttgataa ctgacgtgat gtgggctaaa cagacatgtt aagtcaaaac 420
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<210> 244
 <211> 403
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 244
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 ttaatatctc tgctcttgct ttcaacagac atactcagca ttatacttg taaatagaat 180
 tgagtttcca ttgtttcggt tctgtttttt gtttccttag gaacaagagg atgaaggaaa 240
 tatggctcagc attttaataa caccataaat ccaagataat aagtaattct ataaagtttt 300
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<210> 245
 <211> 612
 <212> DNA
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<220>
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<400> 245
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 aggcacatag gctgattaat cagtggacaa cagaagcaaa ctgctgctgg gttacatgtc 180
 tacgtgatcc attccacagt ttttaggaatt ttttttcttt catagcatct tctctttttc 240
 aaattccttg tagatcgtgg ttcccagctg tgcaggagac atactgacca caactcctgc 300
 actctgaagg gcagagatct tctcttttagc tccacctttt cctccagcaa taattgcccc 360
 ggcattgacc attcttctcc caggaggagc agttaaacca gcaatgaagg aactacagg 420
 cttggaattt ggacctgaat tatgttgctt caaaaattct gcagcattct cttctgcatt 480
 accaccaatt tcaccaatca atatgatggc ctctgtggca gaatcgttca aaaagatttc 540
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<210> 246
 <211> 230
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA486072

<400> 246
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 tagaggatac tgacttcctt cctggtcaca gagccctggc aaagcaaggc aaagccagag 180
 ctcagaacct agagacttcc ttttgacaaa gcagcgccctc agaagctctt 230

<210> 247
 <211> 208
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA488072

<400> 247
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 caatacaata tacatttata cattttacagt ttgcatttcc tttcatcttt tttgagcaaa 120
 ttcaattctg catgtcccag tttgccgctc cttccactga tttgcactta cactcatgac 180
 gttctcttca cttgggtact ctgtgtac 208

<210> 248
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 248
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 tgtatgaaat atagctacaa atatacataa agaattcaga tcacaaaact ctctaggaca 180
 ttggctgggc gcggtggccc aagcctggta atcccagcac tttgggaggc tgaggcaggc 240
 ggatcacaaag gtcaggagat caagaccatc ctggctaaca cgggtcaaacc ccgtctctac 300
 taaaaataca aaaaattagc cggatgtggt ggcgggcgct agtagtccca gctactcggg 360
 aggtgaggc aggagaatgg cgtgaacctg ggaggcagag cttgcagtga gccgagaccg 420
 cgccactgca ctccagcctg ggcaacagag caagattctg tctcaaaaa 469

<210> 249
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA490341

<400> 249
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 caacgtgcgt gcacgctgag tgaggctctg gcatgggaaa gttccgggag acgggtgggac 180
 aagaccgagt ctcaatggcc tggatcgggtg ttggggggga gaaggccact c 231

<210> 250

<211> 505
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 250
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 aaaaaaaaaa ccaacaacaa caaaaaacac cgcctttttg aaagagaaat gacagacaca 180
 aaagactgta aagaaaatgg ggcgaatttc tgatagcatt tccccaaggg cagaggcaaa 240
 acccagatca gacctggggg cccaatagtg atgtggcttc catagtacgt tgttcaccaa 300
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 ctgcaggctc tgcagccctc cacacggaca cagagagagt tggagatctc tcccctacga 420
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<210> 251
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA495865

<400> 251
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 ctactcaaag cccctgaatt gttgtcaact ttcccctttg tgttgtgtag ccctaacgtc 180
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 acctccactc caacagagtg ctgagtttaa aagttgacct gtgtttgtaa tttcactttc 360
 atcttgctta ataaatatct gctggattct ttcattcaaa aaaaaaa 407

<210> 252
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA496247

<400> 252
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 tagggataaa aagaagaatg agatgaacac attacaatat gatgtaaacc actggtatgg 180
 ttttcacaaa agtggaaaag atttaatcag tgaataaatg ctacaaattt gccaatcgat 240
 ttttaacttc ccctaaattt atatttcgat aagcaatctc taagatttca actctacaat 300
 atttgatgca caaaaacaca gaaaaatgtt ttaagggaag aataaattat tttaagttag 360
 tcagactggt aagatatatt taaaaacctg tattccagaa caaaagtcac agatgactaa 420
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 taaattatta tgggtataact ttggatactg ttatatattt 520

<210> 253
 <211> 406

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA504805

<400> 253

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caggcggggc agccctcggc gagctacgga ttctctggga gatttgatag agctccatcg 180
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ccacaacagc ctgtcagtgg acgtgtcgta gattgtgtag ccgctcatgt cctctttcag 360
tgccctggaag tcgtgcttca ggtcatgacc caccaccagc ttgcct 406
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<210> 254

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA505136

<400> 254

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aaaagggggt agaaataaat acaggattgg gtcattgaat ataaaaatag catctctaca 180
tatactttga tttttaactc ttcatgcacc tttttttttt tcaatttttag ctgaatggac 240
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tgtccatttc aaaataagat ttgtacacaa cacataaaac ctttcattta gatcttgtgt 360
ttataaccta acaaattgaca ttccaggcaa ctttacaaaa gtttaactag cctacatttt 420
gac 423
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<210> 255

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598695

<400> 255

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gtttggccat gttccatcat taatgttcca acatcaccag ggacacaaaag ctcagcatga 180
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tcacctttac tggaagctct ggggcctcca gggca 395
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<210> 256

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598939

<400> 256

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tgaaaactaa aatttccagc ccttgactat ctgtagttcc aaacatcaaa ggaaaatatt 180
ggaacaattt atctatgtac agagagaggg aactcatggg taccataagc aaaataacct 240
gagggggaac atttgatatt acaagaagtg gtgagagttt acaagtcttg cattgctttc 300
tattgtacat ggctctgtag taatgccaaa aataacaaaa tgtaggcact tgctctggac 360
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<210> 257

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598982

<400> 257

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caataaagca ggaacagcaa acagattttt ccatcacatg acaccctcag ctgattggcc 120
ataactgcct tgactgctgt gtggacaaag attccaagga tgtacttttg ctccatggga 180
aggactactg caatttatta gcggtatctg taaacatggg gaataaatct gaaacctcac 240
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gtgctcggtc caccaccaaa gccagcacca gtgtttggtc caccgccgaa gccagctcct 360
gtgctcggtc caccgctgaa gccactgggt ctgtgtccac tgcagaag                                     408
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<210> 258

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598991

<400> 258

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tcttaagtca cagtgtattc ttcaaggcct gggccaaaaa aagagacttc gagacaagat 180
gacgtcagat tacatggatc gctaataaac cgagctggac tagatccgac ttgatctaca 240
cacatgccac tactgctcag ggccactgcy ccacgctggc caaggggtct gcactcacgg 300
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<210> 259

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599120

<400> 259

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gttgcctctc gagccagtgt tactatcact ggttccttcc tctgccatac tgtcgacccc 180
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```

ctcttgccca ctctccttgt cctcaggagt agacgtgcct tcttcacccat tctgttggt 240
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tgctgtg 428

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<210> 260

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599216

<400> 260

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cccggggggac ccccttcctc tttgtgatgc ccagaacaa tattgatttg attatagaaa 180
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<213> Homo sapiens

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<223> Genbank Accession No. AA599331

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<210> 262

<211> 271

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA599365

<400> 262

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gttaccatac tcaaatgtaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180
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ccaaaataca ggtatgtttt cattctctat gccctaacc accctccctg cagctatgca 180
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<220>
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<213> Homo sapiens

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<220>
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<220>
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<211> 361

<212> DNA

<213> Homo sapiens

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<211> 372

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AF001294

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AF010193

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<211> 1601

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AF141349

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<210> 286
<211> 330
<212> DNA
<213> Homo sapiens

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<220>
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<223> n = a or c or g or t

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<210> 287
<211> 2589
<212> DNA
<213> Homo sapiens

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<220>

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<223> Genbank Accession No. D10522

<400> 287

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<211> 332

<212> DNA

<213> Homo sapiens

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<210> 289
 <211> 4211
 <212> DNA
 <213> Homo sapiens

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 <223> Genbank Accession No. D13628

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<223> Genbank Accession No. D23662

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D31134

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 <212> DNA
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<220>
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<211> 3233

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D50928

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<212> DNA

<213> Homo sapiens

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<211> 283

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D51069

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<213> Homo sapiens

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 cgtgaaagga aagtgggttt tccgggatgt gggggcTTTT ctvagcactg ggtccactga 240
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<220>
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<220>
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<210> 309
 <211> 328
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<220>
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 catcttcnga ttcaactmga ygcggctgaa tatttgamgg aagaaaaaat aaaaatacaa 180
 atmgaamgaw acagtataac aacygttkcc attatacaat atctatacat ttcggttagtg 240
 atgacttcaa gtacayggga ccaggcacgg tgactcacac ttgtatycca acacttcgga 300
 ggscaacctg ggagsatagt gagacctt 328

<210> 310
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
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<210> 311
 <211> 295
 <212> DNA
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<220>
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<210> 312
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D81655

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<210> 313
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 <212> DNA
 <213> Homo sapiens

<220>
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aagcaactgt ttcatttttt attttccatt tgttcttaaa cccactttt tgttggtcat 1380
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<210> 314

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D82534

<220>

<221> unsure

<222> (1) .. (493)

<223> n = a or c or g or t

<400> 314

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gaaagtcttt gtgtaatgga aacagcatcc aacttttagt gttccacctc tggttgtttt 240
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<210> 315

<211> 3198

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D83018

<400> 315

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<211> 217

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F01920

<220>

<221> unsure

<222> (1)..(217)

<223> n = a or c or g or t

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 tgctttaacg gttgagggtt agtgtatatt gtacttttta cccttaaggc caagtaattg 180
 gcaactgtga accattaatg taaaatattg ataataa 217

<210> 317
 <211> 205
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02204

<400> 317
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 ctgcgccttc aggggcctgc gcccc 205

<210> 318
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02245

<400> 318
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 atactcttca gtggaggatg aggccttatt taacagttaa ctgggacaga cagatgaagt 240
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<210> 319
 <211> 212
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02333

<400> 319
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 tatggaagct gtctttgctg ttaagtactt ctcccgtttg tttatcaacc tgcagctaac 180
 aggatgtctg cttttttaca ggtttatttc ac 212

<210> 320
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02470

<400> 320

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 ggctagactc tagaagccca ggaccccgcc aaggctcatgt ctgcatactt ggggcagggc 180
 gagctgttga accatcgcat ttctctgctg cttctttaca t 221

<210> 321
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02992

<220>
 <221> unsure
 <222> (1)..(312)
 <223> n = a or c or g or t

<400> 321
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 ctgtcgcgtg caacaaacct ccccatcat cttagaaaat aattatagag cgcggcgccc 180
 cgccctcgnt cctgccagtg ggcgnttttg tcctattttt tggattattt cattacgaag 240
 cacgtgaatg aatctagccc ccacaccttc aagaaagaaa ctgcgaggact ggggttgaaa 300
 agcccagggtg gg 312

<210> 322
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F03254

<220>
 <221> unsure
 <222> (1)..(202)
 <223> n = a or c or g or t

<400> 322
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 aaatagattt taactaaaaa attatttcgn gacaaaaata acaatatatg tnaataaaaag 120
 gctcaattaa aaatgtataa caattataaa cacatacaca tcaaacaaca gtncccaaaa 180
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<210> 323
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F03969

<220>
 <221> unsure
 <222> (1)..(305)

<223> n = a or c or g or t

<400> 323

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atgtcaatga aatattttaa tacactgtac agagattgct ttttaattgga tttctataag 180
tagtattaat agggaaaaagc atataataca atctactctg tatctaagag ctttaattta 240
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<210> 324

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04112

<400> 324

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cactcaccac cacactgggc taattaaaaa aaaaaattct tttttgtagg gaagtgggtct 180
tgctatgtca ccaggttga tctagaactc ctgacctcaa gtcacccgct cgcattatcc 240
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ttcactttcc ttttccttct tgtctaattc ttgtg 335
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<210> 325

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04492

<400> 325

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aatgtgtatt tttaatatgc tgctgagttg actcttgtat gatcaggagg agcatttg 178
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<210> 326

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04816

<220>

<221> unsure

<222> (1)..(211)

<223> n = a or c or g or t

<400> 326

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aacaattggg taatttgtga gacaccaaag aaaaaagaa tgcacctatg agttacagag 120
tccaaactga tcagggtgga caacttgacc accatgtntc ccacaccacc acccccacca 180
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ccaccaccac caacagcttc gtcctcagag a

211

<210> 327

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09281

<220>

<221> unsure

<222> (1)..(276)

<223> n = a or c or g or t

<400> 327

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ttagatttaa cagtatctta caatagaata agttgaaacc tacaaaatgg aagaaagttt 180
aaaattaggc agatattatc ancctgggtga agaataaata catatgtcaa taagcattta 240
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<210> 328

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09315

<400> 328

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tttttagtaca gaaaatccca gtctgtcagc tcagtacctg tctgtgcaca ctgtaccatc 120
tcagtcccac tctgcctgta acttagaaaa cagcccctac cccagaggt ctgcgagtta 180
ataccttgag aatagtctac agtttttcat agtttgtctg agctagaaaa cttgtacctg 240
taaaacaaag gacagcattg aggactgaaa cttgtctctt ttttgaacaa ctg 293

<210> 329

<211> 214

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09684

<400> 329

gctttacata aacttataag gattttttat ttaaaggatt taaaaatata acacagtcaa 60
tataaacatg tactgggaat tataaaccat tctttcttct aagcactgga tgagatacta 120
aaaacatata gtatcttacc aatagccatt aaaataggct aaaatgaaaa agaaaccgtt 180
gtaacaaggt tactaatccc ccaactttca atgc 214

<210> 330

<211> 332

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. F09748

<400> 330
gaatgaaaga atccagcaga tattttattaa gcaagatgaa agtgaaatta caaacacagg 60
tcaacttttta aactcagcac tctgttggag tggaggtgca cggtccttca tcataggcag 120
cctatgcgag atgcatctta ggaagggagc tttcgctgct cagaaatcaa agctccatcg 180
gaggtgtcct actggaggca tcagacaaca agctaaatga cgtaggggct acacaacaca 240
aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300
tcaggtcaat aaatgctaca atttatgggc aa 332

<210> 331
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F10078

<220>
<221> unsure
<222> (1)..(247)
<223> n = a or c or g or t

<400> 331
catgccttga ggaaagctat ttattttccaa gatatagact gtacttttta gacaggactt 60
ttcagaagca ggaaatttta gttgttgcca gagaggtgtg tcaaggacac agtgaaagga 120
gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tggtacacat ttagagacaa 240
tattttac 247

<210> 332
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F13763

<400> 332
tttttttttt actttaattt ttctttttatt ttcactgaca gaaaaatttt ctggagagta 60
caatcaagat agtgtattat tagaaataac attaatagaa gcttggtcag aaatgataat 120
agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacaataa 180
ataaaggatt tctcatttgc cacacaacaa ataaaacaat tgcagtaaca aaaatatgac 240
ttt 243

<210> 333
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H01824

<220>
<221> unsure

<222> (1)..(415)
<223> n = a or c or g or t

<400> 333
attcacaana annnnntttta ttattctttaa cagtactcac tttaaaggaa taagaggata 60
gcatacathtt ttacagaca atatataaat gttgtacata attaacaata acttagttca 120
ctaataccaaa ataaaaacaag ccaaataaaa cataaaaaaca gaaaataactg ccgntttcttt 180
ttcttatgcg ggacactagn tacaaaataa gttacttctg ggccgtgggt gctccctgca 240
ggcgactgcc cgcccatatt gcacttgggt cactaacatc aggcacaatc ctcctccggg 300
ggccggggcc ccttcancag ggcccaccac accccgccgt tcaccggcat tacaggaatc 360
ttaggcttg gggacaggtt tattattaca gctgttacct tgggggngg ggttc 415

<210> 334
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H02308

<220>
<221> unsure
<222> (1)..(309)
<223> n = a or c or g or t

<400> 334
tgatagcaca ttttagtttt taataaaatc tgctttttac ttatatattaa ataaattgcc 60
cagttactga atcagaagca tttcttaca agcaaacaaa ataagcatcc cttctatgtt 120
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180
agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcatactgt 240
ctgttgaaaa aggaataaat aattatggag cctatctaata aatataactca atagnnttga 300
attattgag 309

<210> 335
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H03387

<220>
<221> unsure
<222> (1)..(277)
<223> n = a or c or g or t

<400> 335
acgcaagtta gannanttat tatgataact ctgcaatctt ttcagccact ctttaagggt 60
cctgggcatc cattctgggc acagtgtgac atttacctga acagagagga gantggcact 120
agaagatgag ggagatttgg tgccataaaa ttactacaaa caggcagggt gcagtggctc 180
acgcatgtaa tcccagcact ttgggaggcc gaggtgggtg catcacgagg tcaggagttt 240
gagatctgcc tggccaacat ggtgaaaccc catctct 277

<210> 336
<211> 372
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05084

<220>

<221> unsure

<222> (1)..(372)

<223> n = a or c or g or t

<400> 336

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tttttttttt ttcacagtga gcattaaatt attattccat acagccctgg ccctggccct 60
tcttgaggga gtgggggttn tggggtn tgc ccagcaggga tcctgccaga tgatgtccac 120
atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180
caagtccagg gtcttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240
gctcggccag ccccaactgca tcccctcaca tgatgatacg aggctctngc actgactcgc 300
caatagactt gtggggcagc angtggctc cgttgaggta ggagctcatc attaactatt 360
gacgtcctnc ac 372
```

<210> 337

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05625

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 337

```
tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60
aaatacaata attgcaaagg aagtggaacg tgttcaaaca gaaatgggta caatgagtta 120
gaactgcagt tntttcaagg tactacacta ttatttaaaa aaaaaatcac aaanagaaaa 180
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240
gggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300
accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353
```

<210> 338

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05704

<220>

<221> unsure

<222> (1)..(501)

<223> n = a or c or g or t

<400> 338

```
tttttttttc cttctgtagt cgtctttatt tagagcagaa ttcagactca gctggatatcc 60
cccagggcaa ccccaggatg ggganagggc tggctgtgcc ccaccactt ctccaggatc 120
```

```

ctcccagccc ccaggctgnc ttttccctcc aactgtcagc tgcttagctg ctcatctggg 180
gattggagct ggagcatctg tcaagggtgt ctcccttgaca aacagcttcc tctttggaaa 240
tggtcttact caggtcctgc aggtcatcga gcaggacaga gagggacccg gggaagggaag 300
acacagcatg agcaccagac aagggaaggt gctcgtggtt acagagggaa acaggggttg 360
gcacagggaa atgagggaaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480
ttttaagagg gagttttctn a 501

```

```

<210> 339
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H08548

```

```

<220>
<221> unsure
<222> (1)..(465)
<223> n = a or c or g or t

```

```

<400> 339
ttttttttca caaatattgg cttgggtttt atttctatgc ttataaaaaa aatatgaagc 60
ttctttgtgt ggactgaagg ggtggttagcc tgtggatgtt ggtcttcggt gcctgtaccc 120
cagtggctgt ttacattcca ggnccctgct aaataaagna ggctccactg ccagctgtct 180
gtacactttt tcttggggga agagttcttg tcttcagttt actgcagtag ggttcctggc 240
tctgttacat gctcatgtgt tccggaagaa catatgaaat atcatccac ggatgacgat 300
acagcccttg cttcagcctn ttctgatcaa gatagtntcc aatgaacccc atactccttc 360
ccagcacaaa gatgccattg agggctccaa tgtcaatatt attgcatcag cttcctcccg 420
agtaaaggga cccacagttt ttttaaggatg ttttacaatt gcgat 465

```

```

<210> 340
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H15143

```

```

<400> 340
tttttttttt tgtgggtcac agttgagggg ttattgccag tgttaggaag aatggggggg 60
ctgggtggcc aggggtcttg ggaggaattc caaatgagca ctgcagggcc tgtgagtggg 120
gaggagagct gctgcccccc tgccaccacg gaggccccag ggctgatgcc accatatcct 180
gactgctagt ggtgccttaa aaggtggcct cccacagga ggggagcctt gggggcccc 240
aggagtcagc cctcaccaac aagccctctc tcaagggggc caggggcttt tattcctcat 300
gggacaggct ggg 313

```

```

<210> 341
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16171

```

```

<220>

```


<221> unsure
 <222> (1)..(295)
 <223> n = a or c or g or t

<400> 341
 tttttttttt ttttttttaa ttaaaccacc ntatganttt attaaatcca gaactgtggt 60
 aaagggcggc ggtctncgag ggggagtntg gtagggggac gagggacaag atgatgaacg 120
 gccgtgggca tcccntaggg ngacccggnc caccgccgcc caaccacccc cctcngcaac 180
 gctgcatcag cttcaccatg attcccagtg gtgctgggct gggcagggcg agatggctgg 240
 gaaacacaga gggacagagg gacagacaga cgccttccac aaacaaaccc tggnc 295

<210> 342
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16676

<400> 342
 ttttttttta gttttgtggt actacatatg ttttattaaa aattcaaact ttttttcaga 60
 tcgaagcata atttatcttc cattaacaaa aacgaagatc ttaaatttga cacgattaca 120
 attaaaatgc tgaaaggagt tatgaggcat ttaaattcatt cttcaattag aatgtttgca 180
 gcatattttct cagaggctga cctggaacac attacctttg ttggcaggca tcaaaggcag 240
 gataaatcct gtggctggaa atcaattgtg agtcccatta ggatgacttt ctaggcacac 300
 atgcataggg tottgcaactg tatccgttct acttctagga aggttgctgt ctggaaggct 360
 ctttccctg ggcgagggtca ctttcccg 389

<210> 343
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16768

<220>
 <221> unsure
 <222> (1)..(471)
 <223> n = a or c or g or t

<400> 343
 ttttttttta atttataaaa atgaaaagtt tatttgtctc atggttctga caggctgtac 60
 aagaacatg gcaccaacat ctatttctgg tgagggttt aggctgcttc cactcatggt 120
 agaaggcaaa aaggagctgg catgtgcaga gatcacgtag ncaagagagg atacaaggag 180
 atttccaggn ctctttttta cagtcagctc tcatgagaag taatagagga agnaagtcac 240
 ttactactga gagagtggct ccaagccatt ncataaggaa tcaaccacca tgacacacta 300
 gggcctcacc tccaaaactg ggggaatcaca tttcaacatg aggatttggg aagggtcaaa 360
 tatccaaaact ataggcattc tacccttgga acgcctaagt atcctgtcct tctcacaagg 420
 caaattacat tattttattc ccattagttt cccgaaaact taacttgttt t 471

<210> 344
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. H17333

<220>
<221> unsure
<222> (1)..(354)
<223> n = a or c or g or t

<400> 344
tttttttttta attgttaata ttgctaattt gtacaatggg taatgatctt ataaaaatagt 60
tgtatgaaag caccaaccac cttagaaagt ctgaccagca ttcataatcta ctttccagac 120
cctcatccct cctccccact cacctgactc tgctcggctc attcatgggc tttcctgtgc 180
tctgccattg ctcagggtgag tgagcagttc gcccggcaca ttgaccaggc agatccaggg 240
canccgatcg gtggagccca ggaaatggag aggctggcac agctgcagca atgcctgnaa 300
gctgtcctga ttttctccgg cttngagata gccaccactt ttgagcatta ttac 354

<210> 345
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H17550

<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t

<400> 345
tttttttttat ttttaaaaat ctatttattt atcaaaacag tattggcaca gtaattctca 60
tattatcatc aaataataaa attgctactt tctgtactca attctttaga atcctagaaa 120
ttgcaaatgc attcaattta acaatattgt aaataacaat acaaaagaaa gaactctgca 180
tattttatgga aacattgttg atggtacagt tctactgaaa ctcatacaca tttcactatt 240
taattttacat atggnccttg tgaaaaaaac cagtatgttt tactttttca atttccttat 300
ggctaaaata catgtaattc taaagggata tctcttgggt gttataaaaa ccaggaggag 360
tccaccacca ggtcaagggt ggngtcaagg ntacttcaaa gggtccctgg aatggatccg 420
gaaaacaaat ttttaaccna aaatgtggta ccgntttggg ggggcccttc ncgggcccc 480
caacgg 486

<210> 346
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H18947

<220>
<221> unsure
<222> (1)..(371)
<223> n = a or c or g or t

<400> 346
tttttttttt ctttttttag gnttcatgtt tgttttattt aaagtctggg tgggtacaga 60
aaacacacac acacttaaca gggtaaaata tccaaataaa atttactgca actttttag 120

```

aatttttattt gtgctacaag acacgttgca taagaaacta tttaaagccc ctgaggaaaa 180
aatatccatg gtttaaggtg caactggttt tgtttcttct ttggggaaaa ggtgatagat 240
ggtctctggg agaaattatg ggggtggagtt gagaagcaca atcgaagggt atatggtggg 300
atgattggcg aattgtgtgt cctgggttct tggcagcatt aaaatagcct aatgttttgt 360
tctttttttc a 371

```

<210> 347

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H21814

<220>

<221> unsure

<222> (1) .. (187)

<223> n = a or c or g or t

<400> 347

```

ttattgaggg tttattgagt gcagggagaa ggggtcttgat gccttggggg gggaggagag 60
acctctcccc gggatcctgc agtctctagt ctcccgtggg ggggggtgag ggatgagaac 120
ccatgaacat tctgtagggg ccactntctt ctccacgggt ctcccttcat gtcgtgacct 180
gggcagc 187

```

<210> 348

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H22453

<220>

<221> unsure

<222> (1) .. (432)

<223> n = a or c or g or t

<400> 348

```

ttctcttggt gctggagttg taaaaaatcaa tgtccattg ctgagatcga agtcacctgt 60
gtctctgggg ggctcagcag ggacgatggc ctccagagt gacctctgag aaattgcaga 120
ggcatcagag ctgtgggctc agcatatgag gtccccagg gcatagacc cctcctcct 180
gggaagagtg ctcttcgaga gcttatttgc aatctcctgg gagtccaga ctacacaaag 240
gattcagatc ctcttctttt tgcctcctac atagagcaca ttatagacct gaaacaggaa 300
tcagaattcc agactccctt agtgaggaga caaagtgtta ggtcttagct tttcccttc 360
taaattaagg gtcctccctg ggattcaggt tgcctgatag cttatncctg aaantggtn 420
gagataggga aa 432

```

<210> 349

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H26288

<400> 349
 aaaaacacca gtttgaaaca cattactgaa agtgagtgt cacaataaat agaaaatagg 60
 gatgcatagt gctggagaca ttcaaccaac ttatcttcat ctgttgcccta ctgttgtaga 120
 caaaatttga cacacaatta gcattactga aagagcagcc aaactacctc ggagaaagtg 180
 ggcaaaactac tggaaaagta gcttaaagct ctgggaccac tcaccaaaaa taa 233

<210> 350
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H27180

<220>
 <221> unsure
 <222> (1)..(290)
 <223> n = a or c or g or t

<400> 350
 aggnntttatt ttggaccaa aaaaaaacca caattgtttt ctagctggaa gantgggcaa 60
 ggggggtccc agacagtaaa ctccccacg ggtgggttga gcctcagggtg ggggggtctcc 120
 tggtgtctgt gcttccccac acagcagcct cctcctggn gtctgtggca gccacgggag 180
 gggcagacta ggaggagctg ccacagttnt tcacttgggc aggaagtcag aggactcaga 240
 caccagcttc ccatcgcggg tntcgatctt ctnanaacc acggccctgg 290

<210> 351
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H27675

<220>
 <221> unsure
 <222> (1)..(292)
 <223> n = a or c or g or t

<400> 351
 gtgtctccat ggcgagtggg agcgtgaaga tgaccagctt tgcggagagg aagctccaga 60
 gactcaacag ctgtgagacc aagtccagca ccagcagctc ccagaagacc acgccagatg 120
 cgtctgagag ctgcccagcc cctctgacga cgtggaggca gaagagggag cagagtccga 180
 gccagcatgg caaaggntcc cgccagcctc ctggcatctg agctggtaca gtggcacatg 240
 cantcgaagg agaagcgcag ggccatcgag gccaggaaga agaagatgga gg 292

<210> 352
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H40424

<220>
 <221> unsure

<222> (1)..(327)
 <223> n = a or c or g or t

<400> 352
 ctgtatanttt tnncttnttt tttctcttgt gatttggcac ttaaggctta agcgcnaaaa 60
 aaaaaggcat ctactgacaa aatatgggac ttgtctgtna tgcattggtaa gtgggctata 120
 aaatccaggg aggggggtttc aagccagaag aagctactga caaattgact tgccttatg 180
 ttaggtgggg ttatgagggg gagagggagg gcacattctg aggtgctggg ggaaaggggt 240
 tgagcttaac cttgttaatg tagggcctgt ggggaatggg atgggtaggg agaagagggt 300
 atgggatgtg ggtgcagggt aggggct 327

<210> 353
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H44631

<220>
 <221> unsure
 <222> (1)..(448)
 <223> n = a or c or g or t

<400> 353
 actcagcatn cnttttattt tncatatctga catttctaac aaaacgccag ggagacggag 60
 ttaaaaaagaa tccaccccac gaaaggtaaa caaaggagac cctcagaaac tccctggcaa 120
 ggatgttccc ctccccagat tgggcccagt ttcaccagca actgggtctc agactcagcc 180
 ttatgccttt ccaactgacac cccccacccc tccacantct cgtgattcag accagggaac 240
 ttctcgggct gattgtgtcc gtgtgtctga gggaggggca cgctggaacc tgggaaccta 300
 ctgggcacct ctaatgcaga tgagaaaaac ttgagaatgt gaaaggagat cagtccccgn 360
 tcccacccga aggtgcagag acgcggggaca ttaaccagca gnacgcgggg gtgaaggaac 420
 tcagggcaat ttctcccant gccagggg 448

<210> 354
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H48793

<220>
 <221> unsure
 <222> (1)..(346)
 <223> n = a or c or g or t

<400> 354
 gatttaggag attccaagtg atacctttaa ttcactactc tatgtcctta ttaataaata 60
 catatttataa aaaacctata caatatagtg tatttacagc atggaagagc agagactctg 120
 aagccagact gcctgagttc aaatcctgac atttctactc aaatatgtgt gaggtagctt 180
 gggcaattta ctactcttt ctgtgtttct atttactcgt ctacaacaat aatttctacc 240
 tcatcaaatt aaattaaaaa aaaaacggct taaatagggt aacatttgta aataggctta 300
 ggaaaacact acatttataa aaataancat tctaaccaca ccttcc 346

<210> 355

<211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H49440

<220>
 <221> unsure
 <222> (1)..(458)
 <223> n = a or c or g or t

<400> 355
 ggagtttcac catgttggcc aggctggctc caaactcctg acctcaggtg atccacctgc 60
 ctcagcctcc caaagtgctg ggattacagg catgagtcac tgctcccagc cattagaaaag 120
 attgttaata ctatgaactc cctttttag tagagaaaagg gccaatctgt aggggtagcc 180
 ctgtccaggt aaagttgttt tcagcctcat gtctactgtt aggtgagggg gtcacagcca 240
 gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag 300
 cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga 360
 aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg 420
 ccagagtatt gactttttaa cagattatta aataaagg 458

<210> 356
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H52835

<220>
 <221> unsure
 <222> (1)..(446)
 <223> n = a or c or g or t

<400> 356
 cggataccct gggggcctct gctcctctct ttgtggagac gtcgtttcac cggcggcgcg 60
 tgaccccggc agctgtccag agaccagag atgtccaatc acaggcgcac ggtgcacagg 120
 cgcgcagggc tgcctggaac gggcccaggc aggcagtgac cgggacctct ccggaggagg 180
 aggaacgggtg ccctcccggg aggagctggc caggcaggcg ctgcccaggg cggccttccc 240
 tgctggacta cggcattgcn actgagttat ataaagacac tatttgggga aggacagcgg 300
 gtgaggactn ggcgcggcgg cacacgcttt gcctgttgtn ttcagctctt ctggggggcca 360
 aggcaggagg ttccagggtt tacagtgagc ctgatngcca attgctttcc aaaagagaga 420
 aacagagaga aagggattna ggcttc 446

<210> 357
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H54764

<220>
 <221> unsure
 <222> (1)..(386)

<223> n = a or c or g or t

<400> 357

```
gatggagttt cgctcttctt gccagggctg gaggcgcaatg gtgcaatctc ggctcactgc 60
aacctccacc tcctgagttt gagattctcc tgccctcagcc tcccactggg attacaggcg 120
cctgccacca cgcccagcta attattgcat ttttagtaga gatgggggtt caccatgaaa 180
atTTTTatTT ttattaaaag agtgcattgag ttagtcatga aggcagagcc agggcggcct 240
gcataccaaa tgtgaaggaa cagtaccaat tgacaaaagga aggcacaaaa ctaggacaaa 300
ggaaaaggga cttcaattaa ataaggtaat ttggaactaa ctggaaaatt gaggaggggg 360
aatngcaaa taaaatnggg gaggca 386
```

<210> 358

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H56673

<220>

<221> unsure

<222> (1) .. (384)

<223> n = a or c or g or t

<400> 358

```
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggccatgg cttgttggca 60
gtagtagggg ccctatggct atttccaggt atgggtggcc ccttttcctt gggtatctgg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc ctttaataac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcactctagg tctcaggtcc 300
caccatgtat ggaggccgtg tggaccttg gggtagggtt actaggcctc cccgggggtt 360
caaatcttct tcacctgtaa aatg 384
```

<210> 359

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H58873

<220>

<221> unsure

<222> (1) .. (440)

<223> n = a or c or g or t

<400> 359

```
actataactt agtgtctgta tttaatattg acaacaaaa atatatan tttntttgca 60
tctatacaca acagggcagg agtctccatg tnttcttgag cagtgagttt gcaggctccc 120
acaggccctc ttctcatggt aatagtgtgg ccctagtga aaggagacta gaacccggca 180
gccagactg gcccttcccc tctctccct gcactccagt gcttcccaac tggctctcagg 240
taaagaaagn ttantttgag tggttgggta ggaagagatg ggaaggggca aatcctaag 300
ggagcctgac cctagagtg gggagttcca gggccagcag aacgggtggg ccatagccct 360
nccggggnt agaagctttg tagttcatag ttcgattagt ntgtccntag ggcattaggt 420
nccagcccta cagattagct 440
```

<210> 360
 <211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H60595

<400> 360
 aagacagagt ggactgttac aaatgatttt gcaaaataca aaaatagata tacttccact 60
 gaatgcttta atcatttttc cgggcactct catcttttgg ttcttctca tctgagtaca 120
 cagtgggctc ctccccctcc ttcagcagtt tgcccacgtg atgatacttg aaagtgaact 180
 gagactccca gtcactcaga gtctcctgct gggcgagctg aggtcagaaa ggcatcgtta 240
 ctcatccttc agtgccttct tatccgggga aaatgtgggc aagg 284

<210> 361
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H61295

<400> 361
 gaaccttcta agggacctca aagggtgattg tgccaggctc tgcgcctgcc ccacaccctc 60
 ccttaccctc ctccagacca ttcaggacac agggaaatca gggttacaaa tcttcttgat 120
 ccactttctc caggatcccc tctcttctca cccttctca ccacttccct cagtcccaac 180
 tccttttccc tatttcttcc tctctctgct tttaaagcct gcctcttcca ggaagacccc 240
 cctattgctg ctggggctcc ccatttgctt actttgcatt tgtgcccact ctccaccctc 300
 gctcccctga gctgaaa 317

<210> 362
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H64493

<220>
 <221> unsure
 <222> (1)..(370)
 <223> n = a or c or g or t

<400> 362
 ggggtgcttta ttccatgct gggcgcccgg gaagtatgta cacgggggtac gtgccaaagca 60
 tcctcgcgcg accccgagag cccggggagc gggngcttgc cggccgtcgc actcatttac 120
 ccggagacag ggagaggctc ttctgcgtga agcgggttgag cagagcctca tgcacacagg 180
 agcatgagaa gatgttcccc tgcctgccacc tgccttctgc cacgggtgagc ttgctgtaga 240
 ggaagaagga gccgtcggag tncagcatgg ggaggcntgg gtnttgtagt tnttctccgg 300
 ctgcccgtg ctttcccant ccacggggga tgcgctgagg ggtagaagcc tttgaacagg 360
 gaagtcaggc 370

<210> 363
 <211> 460
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H66642

<220>

<221> unsure

<222> (1)..(460)

<223> n = a or c or g or t

<400> 363

```
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60
actgcaaccc ctgcctccca ggttcaagtg attctcctgc ctcaccaagt agctgtgatt 120
acaggtaccc gccacatgg ccagctaatt ttttctatct ttagtagagc cgggggtttca 180
ccatgttggc caggctgggc tcgaactcct gatctcaggt gatccacctg tcttggcctc 240
ccgtgtctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagtg 300
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360
cattaaggag ggaaaatggt taataaaatg taattaaact gggatggaat ggtcagtgtg 420
tttaaagtga aatatactta aatgtaatta ccgggnggt 460
```

<210> 364

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H68097

<220>

<221> unsure

<222> (1)..(291)

<223> n = a or c or g or t

<400> 364

```
tgaagtttat ttncctctggc agtatgtttt agtttcttgt ttttnatttt gttgtgtgtg 60
tatgtgttgt agattttatg atttgaggtt accatgaggc ttgcaaataa cataacatgt 120
tattttaaag tgacaacttg acactgattg caaaaacaaa cagggcgaag agaactaata 180
aaaactgtac actttaactt cattcctcct gtttttnaag gtttttatgg gtttctatct 240
atatctcctt gtactatctt gaaaagggna ttgcagggtt tcatttgttc a 291
```

<210> 365

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H77597

<220>

<221> unsure

<222> (1)..(317)

<223> n = a or c or g or t

<400> 365

```
tcaagtctaa gtgtttaatt attattcaca tatttcacag aaaaaaagga atgtagcaaa 60
tgagtcggag ttgtagaaaa aaaaaatcct ggnttttacg tgtcattctg ttttcactctg 120
```

```

acagcagggc tgtcccgaca tcaggcacag cagctgcact tctctgacgc ccctttgcag 180
atgcagccct gggcacactt gggcacagcc caggggnaaa caggagcagc agcctggggg 240
aaaaagggag agagaaggtc acaggcagac ttnaccaggg ganctccctt tcccaacagc 300
aggcctgggc tcaagct                                     317

```

```

<210> 366
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H81070

```

```

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

```

```

<400> 366
caggtctaaa gtgtttaatt atcactcaca tatttcacag gaaaaggaat gtagcaaatg 60
ggtcaagggtg gtataaaaaa aaaatccagg tttgtacatg tctctctgtt tacatctggg 120
agaaagggttg tcctgggcat cagtcgcagc agctgcactt ctctgacgcc cctttgcaaa 180
cacagccctg gggcacactt gctacagccc acgggnagnc agggagcagg cagctctttc 240
ttgcaggagg gtgcatttgc ctctttgcac ttgcgggaac cagcgcggtg cagggaggac 300
accagcggcg cagggagcag ttgggggggc cattngcaag                                     340

```

```

<210> 367
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H81379

```

```

<220>
<221> unsure
<222> (1)..(330)
<223> n = a or c or g or t

```

```

<400> 367
ttaanntttt ttaaaaccaa aagaacaact ttaataagct tttacggcac tgcaattaca 60
ggaacatcga ccataacat gcaacaaaaa tgattttgcc ttttgacat atttaacaga 120
taaacttgac attacaagta acagcaacac attcccatc tactgaagaa aacaaatgcg 180
atttaacttt caggttagaa aacgtatctt cttactgcaa tctcaagtng gcatttngaa 240
agttagttt tcccttttct aacctctaaa agatgatatg atttttaatg caatcatata 300
caactgtttt cacattgggg aatantcacg                                     330

```

```

<210> 368
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H81413

```

```

<220>

```

<221> unsure
 <222> (1)..(419)
 <223> n = a or c or g or t

<400> 368
 ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gagggggagc 60
 cccaggctgg gataaatcat ggctaccctt cccaacaga acagggggag gaggtggccc 120
 ctacacccat tatggctgat tcgggcccc ttgctcactc tgctgcagca tcctagaggc 180
 agggccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gccccagccc 240
 ctnttcccc acaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
 agggatgaac attgctcaaa ctctttcaa aggggcacct gaccgcacag gggaggntgg 360
 gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419

<210> 369
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H83380

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 369
 ttaattgcag aaaaatttat taaattggaa aatcttgcgt ttttcaatgg cgctggcccc 60
 gggtcagcgg cgattttctc tgcattcaaga tgggctttgc gtttccgtag tgggcaccag 120
 tggtagcctg attgtcagtc ttctcccggc atttttaagg ccaggagacc gaagcgctgc 180
 ttgtaggcga atacctaca gagegggttg gctttttaaa ttactgttat tattttgggc 240
 agagaacagt cgggtctgggt gcaccccgtc ctgcgtgcag aagaggctgc gactccgagg 300
 tggggctctc cggaagggtg aaattccttc tnggggntna gcgagccccg gccccgcgcg 360
 gcagtccagc ggccccgggtg ttgttg 386

<210> 370
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H84761

<220>
 <221> unsure
 <222> (1)..(335)
 <223> n = a or c or g or t

<400> 370
 cggcacttta ttagtgggga aacncgcctt ggnctggcag agactgggat caacaggacc 60
 ngcacccatc tcgaggnggt attttcngta agancaggng ttccnccctc gtaggtttag 120
 aggaacacac ctcatagatg aaaaccccc cgagacagca gactgcaac tgccaagcag 180
 ccggggtagg aggggcgccc taggcacagc tgggcccttg agacagcagg gcttcgatgt 240
 caggctcgat gtcaatgggtc tgggaagcggc ggctgtacct gcgtaggggc acaccgtcag 300
 ggacccacca ggggactttc ttcaaagtgc cnggg 335

<210> 371
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H86112

<220>
 <221> unsure
 <222> (1)..(178)
 <223> n = a or c or g or t

<400> 371
 gcttaatggg gccaaagggg caacacaaag cattgaaaac atcactgggt cacaaaacca 60
 gtcaccttgt taccttctca gttgcatttg tttatttcac aaggcttcat tcacacataa 120
 aancaagata ctantccaat tcangttcat aacggttata anggtaanca tttgttgg 178

<210> 372
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H88338

<400> 372
 atgcatgttt aaacatttaa tctagaactt gattacaaag taatttaatg aagaaaataa 60
 tctgttataa ttcttataga tgtttattag tttttagatt taaaaaaaaa acagggctta 120
 taattaaagc aattgactaa tgatctcaca gcctcaagggt tgtatgcaaa cctagattag 180
 aaatactttg gtctctaaaa ataacaaaat ggaccataac attttttttc ttacaagttt 240
 gaagtgggtc aattatgggg gaaacacata cattcctaag gggaaat 287

<210> 373
 <211> 337
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H88798

<220>
 <221> unsure
 <222> (1)..(337)
 <223> n = a or c or g or t

<400> 373
 nactttaata agtataaagt atataaacia ttaggtaagc ttgtggagaa gctgaccaag 60
 atacataaat taggaaatac aagtgtccat cttaaatttc tatatttcat ttttttcata 120
 atattttatta aagggtgttta atatacagtt tctcatctgt catttttgga gtcctttatt 180
 gtaaagacaa ttctattgtc tgatgacaaa cagcagccac catggttatt caggacctcc 240
 acgttgata aattccattt cttcttgaga cacaagtttc cttctgggat ttctgaggta 300
 atggnnttta ttatttctgg cagtgtctgg tggacct 337

<210> 374
 <211> 321

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H91703

<220>
<221> unsure
<222> (1)..(321)
<223> n = a or c or g or t

<400> 374
ccataagaca agtgacatat ccaaccaacc atccatcccc acctgtgccc tattctttcc 60
ttgtgtttct ttagagcctt ttcagctatt tctgtgaag caaactgcac gaaggcctcc 120
cccgtactcc tcccctggaa gtccaccggc aatgttatcc catttggcac gatttccaac 180
ccttcaaccc aaggacaaat aaccccagta gggggncaat attaacatca caagcccagn 240
aaatgattct tcttataggc tttaaataaa ccaggacttt ttaactttag ggtgaatggg 300
tatgctttca acaagtactc t 321

<210> 375
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H94471

<220>
<221> unsure
<222> (1)..(395)
<223> n = a or c or g or t

<400> 375
tttgttactt ttacatgata tttattatth aagaaaaacc tcttttaacc atttatataa 60
cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
ccaggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgtattata aataacagtt atctgaaagg tggttgagag gattaaatga gatcacctat 300
gcaaacaaat acatgtaggc atgaaagacc atccgtcctg ggggtngtgg aaagtthtaag 360
tttccccncc agaacccttc cctttaaggg cctta 395

<210> 376
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H94475

<220>
<221> unsure
<222> (1)..(373)
<223> n = a or c or g or t

<400> 376
tttttgccca ttcattcttt attcaggtgg cataaaaaatc actacaaaaa ccttacaaaa 60

```

gagccttaag gagctcatgg gatccttccc tgcctcggtt cctgagctcc cgggcagagg 120
agggagacag gagaggaagg aagggaatg ctggcagtg tgggatctcg aggagccgtg 180
ggaagtctgg cgtgacaagg cacagggggt aggatggagg ctgatggact ctcggcaggt 240
tagggccacg ccaaggctgt gccangacac gagttccacg cggggctgag gacaacgctt 300
cgctctccga gccaccacca gggcccgctt ctccccaccc taagcctagg tgtcccgga 360
caagtccaaa ggc 373

```

```

<210> 377
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H95960

```

```

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

```

```

<400> 377
ttttattggt ttagtaatct taacataact taaaataaga gaggggaaat gacatctgga 60
gatctaggta tgtggcccat tgcaattgag cacatttctt gggctctgtt ctctatctct 120
aagggcagtc tcaaaacccc agctcaaaat acgacactaa catgatgaac atgcatgagc 180
tttgaaaagt gctctgtagt cttatgatga tctagaagag cactgtccaa tagaactttc 240
tgtgatgatg aaaagattct acttctgacc tattcaatag ggtaaccact aatcatgcat 300
ggctctcaag cacttgaaat gttgctagtg tgattgggga gctgcgtttt gaattgtaac 360
naatttanat tttaaatcnt taaaaagttt acatgtgggt tagtgggncg ccgtacg 417

```

```

<210> 378
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H97538

```

```

<400> 378
atTTTTgtag ttttgggcaa aacattcact gttctgtttc agcatatttc cttggaacat 60
cttcatctct ttccattttg cggacactcc cttcttctta ttctccttta ctcaaaacat 120
atggttttaga cccacatcat ggctttcttg tgggaagcct ggatgggact agggaaacac 180
atggtttcaa catggtgcat atctgtttgt gcagatatca gacaagattt aatcttgtct 240
aacttatgcg tattgttttg atgtttgcct gtggttattc tgggcacagc aatggtggac 300
attattgaaa atgaacttta ttggcagatg aaagataata gaacatgaag atttatgaac 360
taccataagc tctgcatctc tgggtcttca tttccaaagc agcacttgga aaaccaagcc 420
cagtttcagg caaagagtt 439

```

```

<210> 379
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H98835

```

```

<220>

```

<221> unsure
 <222> (1) .. (440)
 <223> n = a or c or g or t

<400> 379
 caagatcctg cctcccaagc ctataagctt taccaggaga gaggcaggcc ccaccccaag 60
 atccactatc cactctttga agaaagatta gagccatgtt ctcagacttt gggctgcac 120
 ctaatccctg cgaagtgcac aatgtgtgat gactccaccc tccacccgat ccagaggggc 180
 tgggggtgaga cccaaggctg agaggcctcg atggcttcct ggccccatct ccggcagcag 240
 ctctatggct gggctctcct gcaggctggg tgcacccag gccctcagat gggttctaacc 300
 agaatcgatg ggcagcagtg acttcgactg tatcatcaat cttggctgcc acaagggttg 360
 gttgtccagg ccctcagctt ganccttga ggtggggccc ccacacagag ctttgtctgc 420
 cccagccca ccctcattta 440

<210> 380
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H99035

<220>
 <221> unsure
 <222> (1) .. (495)
 <223> n = a or c or g or t

<400> 380
 tgagcttttg acaaatttat tgaaacatac aggcggctgt tagcagagaa atcattccat 60
 gattgatgtg ttacatttgg ccactacctt gaatgtataa tttaaaaatt atatttttca 120
 caactaagcc tttgncaaaa aagtcattta gcacatcttt aaagatcaat aagaaatgga 180
 ttttgacat taaaaagatc aagtcactga attaaacagt agcaaccccc attaatctag 240
 aatcccatag tgctgaaggc agagggtgtc gtgcaaagct agtcatttgc taacagcaat 300
 cagaaganga tgggggcagg cacacctgtc agagggtggc gcagactggc aggacaggac 360
 ggctgggctg gtctggctcag gtgagcatgt cccagagaca gcagcaacag agagccgtcc 420
 agcaggctgt gaggcagggt gatggtccta gtcacatctc tccttgggtc ttctaccaca 480
 tacactgtgg gnttt 495

<210> 381
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H99648

<220>
 <221> unsure
 <222> (1) .. (424)
 <223> n = a or c or g or t

<400> 381
 ggggtatata attttatttt aagtttatat ttcctgcagg atagcaacat acatcttttc 60
 ctacccagag gcaaaatata ttttccaaaa acgtggacac tgcccactgc attaagttta 120
 aagtgtcccc tatatatata gacagtaaaa gtaagcaaag aaacttacaa cacattccaa 180
 tctttaatat ctcaaaaatg tttccaaggc aacattatta aaataattat accacagtcc 240

```

ctaataataac atcaagctcc agtaggaagg tacagagagg gcaggaagtt tccatccagt 300
ctgggttagg tgctcttctt ttcttcaccc agtaaattca cggtagcttt cttegttct 360
ttagtgatgg catctgcagt ccccttggcc ntgtctttaa gggtcctga ccacactggg 420
ccat 424

```

```

<210> 382
<211> 438
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H99694

```

```

<220>
<221> unsure
<222> (1)..(438)
<223> n = a or c or g or t

```

```

<400> 382
attnatata atgtatatat ttattatgtc acaaatagct acatactgga taagccagaa 60
agatgaggaa acatgtttgc atctcacact agtgcagaga ttctgaaaaa gaccccactt 120
ggaataccaa accacacatt agattgttct gttcccaatt gtgtgccaaa gtgcactctg 180
aactgttttg gtaaagccga cctggagtc atatgaggct gaataacttg ggagaatgta 240
agtctgcaaa ataaacctag gactggattg atcctcaggc cacttggcag gtgaatgtct 300
cgggagtga tatgagacaa gcttcctgaa aaggcttata tgacttaaag aactttttgt 360
ttaagtgttt ggtcccaaat aaactattaa gatataataa gtaattcact gctcaaaaat 420
taccgtcaga taaatatn 438

```

```

<210> 383
<211> 749
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. J00073

```

```

<400> 383
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<223> Genbank Accession No. J00123

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<213> Homo sapiens

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aaacttacat	cttcccatgc	tccctgccgg	tttctgcagt	ggatcagatc	cattccagat	3720
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<210> 415
 <211> 961
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M20642

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 tgcccctgcc ccagccaaac ccaaagaaga aaaaattgac ctctctgcc aagaatcga 180
 gttctctaag gaacagcagg atgaattcaa ggaggcattt ctctcttttg acagaacagg 240
 tgattccaag atcaccttaa gccaggctcg tgatgtcctt cgagccctgg gcacaaatcc 300
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 <211> 1160
 <212> DNA
 <213> Homo sapiens

<220>
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 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
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 ttgacgtgtc caacgctgat cggctgggct cgtccgaagt agaacagggtg cagctgggtgg 240
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<210> 418
 <211> 1688
 <212> DNA
 <213> Homo sapiens

<220>
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 aaggaggctc gctccctcag cacagagctc ttcaaactca agaacgccta tgaggagtcc 240
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tgaagccg                                     1688

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<210> 419
<211> 229
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M22406

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caccaccagg cacacagacc ccaacaacga caccatcag caccaccacc acggtgaccc 180
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<210> 420
<211> 1568
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M24069

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<400> 420
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agcgagcccc ggccgcccgc accaccagcc gcgctaaccg ccgaccaacc gccaccgagg 180
cgctgagcgc agagcagagg aggaggaggc atgagtgagg cgggcgaggc caccaccacc 240
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gcctcttttag ccgcccgcgc cggcagcgaa gacgcggaga aaaaagtctt cgccaccaa 480
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catccaagca ataaagtga agactaacca agatttggac attggaatgt ttactgttat 1500
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tggaattc                                     1568

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 <211> 565
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M26311

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 caccctgaac cagggggaat tcaaagagct ggtgcgaaaa gatctgcaaa attttctcaa 180
 gaaggagaat aagaatgaaa aggtcataga acacatcatg gaggacctgg acacaaatgc 240
 agacaagcag ctgagcttcg aggagttcat catgctgatg gcgaggctaa cctgggcctc 300
 ccacgagaag atgcacgagg gtgacgaggg ccctggccac caccataagc caggcctcgg 360
 ggagggcacc ccctaagacc acagtggcca agatcacagt ggccacggcc atggccacag 420
 tcatggtggc cagggccaca ggccactaat caggaggcca ggccaccctg cctctacca 480
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<210> 422
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M28590

<400> 422
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 agcatcggtt actgctgggt tgtcttcccc aacggcacgg aggtcccca caccagaagc 180
 cgcgggcacc ataactgcag tgagtcactg gaa 213

<210> 423
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M29645

<400> 423
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 caccgtgaag cagtccaccc agcgcctgcg caggggcctg cctgccctcc tgcgtgccg 660
 ccgggggtcac gtgctcgcca aggagctcga ggcgttcagg gaggccaaac gtcaccgtcc 720
 cctgattgct ctacccaccc aagacccgc ccacgggggc gccccccag agatggccag 780

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caatcggaag tgagcaaaac tgccgcaagt ctgcagcccg gcgccaccat cctgcagcct 840
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cctgggggctt ctcttgacct agtccccgtg ccccgccctcc ccgaaacagg ctactctcct 960
cggccccctc catcgggctg aggaagcaca gcagcatctt caaacatgta caaaatcgat 1020
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<210> 424

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M30894

<400> 424

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<210> 425

<211> 700

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M31994

<400> 425

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<210> 426

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M33197

<400> 426

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<210> 427

<211> 1081

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M33493

<400> 427

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<211> 468

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<213> Homo sapiens

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gcagagaaga cgggtggcccc tgcagaatgt tcataggttc ccagcccca gccacccac 360
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<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M34996

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<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M35252

<400> 432

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<210> 433

<211> 4567

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M37984

<400> 433

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<211> 1104

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M57466

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M61764

<400> 436

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<211> 1811

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M62831

<400> 437

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<211> 1244

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M63438

<400> 438

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<211> 893

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 4732

<212> DNA

<213> Homo sapiens

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<400> 441

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M73720

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<213> Homo sapiens

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<213> Homo sapiens

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agaacaattt tgtttgcaag ctgggatgca gaagaatttg gtcttcttgg ttctactgag 1560
tgggcagagg agaattcaag actccttcaa gagcgtggcg tggcttatat taatgctgac 1620
tcatctatag aaggaaaacta cactctgaga gttgattgta caccgctgat gtacagcttg 1680
gtacacaacc taacaaaaga gctgaaaagc cctgatgaag gctttgaagg caaatctctt 1740
tatgaaagtt ggactaaaaa aagtccttcc ccagagttca gtggcatgcc caggataagc 1800
aaattgggat ctggaaatga ttttgagggtg ttcttccaac gacttggaat tgcttcaggc 1860
agagcacggt atactaaaaa ttgggaaaca aacaaattca gcggctatcc actgtatcac 1920
agtgtctatg aaacatatga gttggtggaa aagttttatg atccaatgtt taaatatcac 1980
ctcactgtgg cccaggttcg aggagggatg gtgtttgagc tagccaattc catagtctc 2040
ccttttgatt gtcgagatta tgctgagtt ttaagaaagt atgctgacaa aatctacagt 2100
atttctatga aacatccaca ggaaatgaag acatacagtg tatcatttga ttcacttttt 2160
tctgcagtaa agaattttac agaaattgct tccaagttca gtgagagact ccaggacttt 2220
```

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gacaaaagca acccaatagt attaagaatg atgaatgatc aactcatggt tctggaaaga 2280
gcatttattg atccattagg gttaccagac aggccttttt ataggcatgt catctatgct 2340
ccaagcagcc acaacaagta tgcaggggag tcattcccag gaatttatga tgctctgttt 2400
gatattgaaa gcaaagtgga cccttccaag gcctggggag aagtgaagag acagatttat 2460
gttgcagcct tcacagtgcg ggcagctgca gagactttga gtgaagtagc ctaagaggat 2520
tctttagaga atccgtattg aatttgtgtg gtatgtcact cagaaagaat cgtaatgggt 2580
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aaaaaaaaaa aaa
2653

```

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<210> 452
<211> 301
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. N22006

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<400> 452
ttttgaattc ataatcattt attgtaaatc actcacagtt tacacattac cagtggcaaa 60
ataacactgt taaacaccta ctggatgaag aacttcattg tgactatttc caattgccat 120
catatctttt tctaaaattt aaaattttaac ttttaaatcc tacatctttt ctgaaaatat 180
ctatcttcaa agtgctccaa tactaacact ataagccctt tcttttgctc taacatctaa 240
cacaaagggc acactgtccc attaattcca catgcacttt acaaagcaac ttcacacaca 300
a
301

```

```

<210> 453
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N22620

```

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<220>
<221> unsure
<222> (1)..(450)
<223> n = a or c or g or t

```

```

<400> 453
tttcaagtca cagattacat atattttacat taattcfaat gtccaaagca cagtacagta 60
gggtctattt aatagttcac ataatttaag atttacatat acacaagcac atgaaccaat 120
attagtttgc tagaacaggg atttaagaag ttactcagac attttggtat tgacacttac 180
atattttatg caacaaatta tgatgacttt aaattttcaa tgagatcttt tgtacaagaa 240
tacagaatgg gaagaatgta caaaatgaaa agacaggcaa acaaatgtac tttccttggc 300
actattttct taacaccata tagggttgtg ggcctcgggtg ccgaaattcc ctggcaagcc 360
ccgggggggt cccacctaag ttctnaggag ccggggccgcc acccgngttg gaagctccca 420
gctttttggt tcccctttag gtgaggggtta
450

```

```

<210> 454
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N23352

```

<220>
 <221> unsure
 <222> (1)..(368)
 <223> n = a or c or g or t

<400> 454
 nttgcacttg gggtaatagg tttattatct ctatatacaa gtaagcattt attgatgttt 60
 gtcaaaaaata agagacaaga taacaaaaaac tatttttagca tgaaaacgag atagctgcaa 120
 tagactaata ctgagcttaa agactccaaa aagagcacag aacctgaaat gacagttttc 180
 aggttggtata gttatccaga caatgaagtc aactatacaa ggcaagcaac acatgacaat 240
 aaaacacccat caacagtttc cactggagg atggagggag gcttgctggg gcctgggnaa 300
 ctangtggga aaaatatatta aaatctcata aatcctccgt atcctttttt tccnatttca 360
 gggaactt 368

<210> 455
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N23730

<220>
 <221> unsure
 <222> (1)..(375)
 <223> n = a or c or g or t

<400> 455
 tcgcattcaa cttaaagtnt taacatngac aatgtcttgg aacaataagc aaacaatgct 60
 taaatTTTTTc attcaaattc actttccaca tgtcaaaaga cctcaaggta gaaaaaata 120
 aaataaaaaat ataaatatct gagaatccat cttaataaat aaattaaaaa cncnnnccaa 180
 cgttttcacn nccccntggt aatgtcagaa cattcagacc acctcaacaa tgcattgatca 240
 gtaacattac aatgaacatt gatgttgaag aaaaactaca gtacatggat atagctatatt 300
 atttctatct accagaaaat aaagtcgtat cttttcttag tataatattg gtcattttcta 360
 atcagaacac actat 375

<210> 456
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N24761

<220>
 <221> unsure
 <222> (1)..(469)
 <223> n = a or c or g or t

<400> 456
 anaattcaaa cttttatttg gcaataagtt cagagtcaca taacacataa aatcaacatt 60
 taaaataaaat agcaaattca catctagaat aaataggtct gcttaatttg cattaattgt 120
 gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag 180
 tcagagttca aacctgcagg actgaaaaca cacagaagca ctgtcgcagg ttgggttccc 240
 cgaaagcaga tactgaggtg gagaatggcg tgcaggaagg ttcataaggac agtgctgtgg 300
 gctgagccgg ctgggtacag gcttgtcagg gagaggcaact gggctgtaat gtggccacaa 360

tgaggtctca ctggacccca caaggggctc tggagctggg atggccccag aggttttccc 420
aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa 469

<210> 457
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24899

<400> 457
gttggttgaa aaacatttat tgcaattcag tgtcaaaagt tttttacaaa aatatgccac 60
cgtctggtac aaacaactat aaaaaatcag ttcacatgc aagaaaagtg tgcaaataat 120
ttatacagaa ggactcagct cacacaatat taaataaaca tctctgcatg taattggtct 180
aactttatgc tttagttaca atgttcaacc cctcttaata cttttcattt aaaaaagtac 240
attaaagctt ctaagcttag gacacaggct gtaatatagc cccacttttag ccatgggtgat 300
tggcacttgg tagaataaag attggcacca aggattccca agtatagaat acagcttgga 360
gccttctgct taacagactt gtgcttcgtt aattaaacaa acacatctat actcaaagac 420
agaaaaagtc atgtttaaac tccagaaata atgt 454

<210> 458
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24902

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

<400> 458
ggctnacagc cgtttttcta gttccaagtt ttaaatacat ggaaggaagt ccgggagAAC 60
catatgaagg agcaggagga gaggaagaaa ctttttttcc ttctttttcca ggagtagctg 120
gaaattaaga tcgggttcct tttctgccag cttggaaggg caaccccatg actgattgctg 180
attctgagga tgtctatgca aagttggatt cttgttacag tgtatccaat ctgaagtatt 240
gcacatctga actgggactg ttaacactga tgccaataca gtgtgggggtg ccagaaagtg 300
tctgctgata tttgtggaaa aaaaatctat tttgtttacc tactgtatca aaggggagtc 360
tgggggagaa tggtagtatt tttttttttt atcagctgtg aaaaaaatgt tacagatctg 420
cacattttcg tgtgtactat g 441

<210> 459
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N26713

<220>
<221> unsure
<222> (1)..(466)
<223> n = a or c or g or t

<400> 459
 tgattattcc agaataatattt attttcccaa agaagggttaa ggatagaatt ttgtagagtt 60
 tttgtttttt taatgcatcc aacacatagg agaattttat tttaaagccc tttttaaaaa 120
 tgaaaattct agttgggtcat caattctctt cagagcaaac atcatttatt ctactctata 180
 aaaagaaacc taaacaaatt aagatgacaa gtaagaaaaa cttattctct ttatctcctt 240
 taaaacaaaa attttagttc tgctgggctg gttttcttca aattctcatt attttaccaa 300
 tgaggcactt tataatacaa atgcttaaag tggtgaggga ttctgactcc caaaaacatc 360
 atttggatat aacaagattt gtactactga cggtggatat acacaattaa atcnttcctc 420
 ctagtgggatg atggaaaatn aatggttgga ngtaanaccg gatcca 466

<210> 460
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N26801

<220>
 <221> unsure
 <222> (1)..(221)
 <223> n = a or c or g or t

<400> 460
 tttttttttt ttgatgcaaa tgtttttatt tgccacttaa actacagttt ccctgtgcta 60
 tccngatggt gtgggggtgt ggaacaggct gctggaacca tggtttacag tagtagcagg 120
 tagatgatta gtagcatgag tggtgaaaatg ctgcatctaa gtgcctgtca ctttgctccc 180
 aggggaatat catgcagccc aggaatagtg ttagactggg a 221

<210> 461
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N26904

<220>
 <221> unsure
 <222> (1)..(445)
 <223> n = a or c or g or t

<400> 461
 aagtttttta aaatttatta tttattattt ctttttgctc ttgtttcggt tctcttcctt 60
 gagcttcttt ttggagactt tgggtctatt ggcctttctg tatagggtgat acccaatgag 120
 gccaggagg ntcggcacca tggccatccc taccagaggc aaaatgccct tcaccagctt 180
 tanccagtag ttggctcgga ttagtgcaat cagctccacg tcatactgca cactgcatc 240
 cgctgggaca gatggtggaa atccccgttt tccataggcc aagtgagaag gaatgattgc 300
 ctttcgcttc tctccacac acatgtcgag aagactctgc tccagacctg gaatcacctg 360
 cttttggcca agttctataa ccagaggggtc tctgggtccag ggagggtgtca ataatacgtc 420
 catctaccaa gcttcccgtg tagtg 445

<210> 462
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N29568

<400> 462
 ctttatcggt atttgtttgt ttctgttctt tatcttttcc attctctgtc ttctgctctt 60
 ctagatacct ctttgtatag gctgctcctc ctgaagcagc actctcctcc ttctgagatg 120
 agccatatgt ggagccagtg gatggtggac tcttaccac agggctcttt ttggatggac 180
 tcagggaccc agaaccatgg tcgaactgac cttggtgtgt cccagactga taccgggcac 240
 cactcggcag agttgagccc atctgggatg tgctggaaag tggaggacta ggttttggca 300
 cggggctagg acgggggtgac cgccgcctca ccaccacaga ctggggagggg gcttttgaga 360
 gctgggcttc gctcccagg actcagctca gaaactgctg aggcccgtga tgcagaacca 420
 gtgccgtagg tggcatca 438

<210> 463
 <211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N30198

<400> 463
 tatttttcat gaaatgattt attactttta gaaaacagta taaacttaca aactataaat 60
 taagatataa gtatatctt gccaagtaa gtcaagaaaa atgcacttca gaatcagctt 120
 ttattacagg caatgtattg taaactcgaa catccagaat ctgagttaca cttattattt 180
 ttaacatttt actcaataaa aatctgatat actgggtcca agtgatgaca cattccaaat 240
 taatgtaact ttcttgcagc tttaaataaac aaatttagat caccaagtga aatcaaagcc 300
 aagtgtattt gcacaactca agaatgatgt gaatggatta gaatctctca tagtgcatac 360
 ttcgccattt atacacaaac tttgagagtc ttctgagtga catggtattt aactttgttt 420
 ccaagggcca aataactaaa tgtatagaat atoctactct atactcacta ttaaatgtca 480
 tggactaggg aaatctg 497

<210> 464
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N30856

<220>
 <221> unsure
 <222> (1)..(585)
 <223> n = a or c or g or t

<400> 464
 gattaaaaag agaaaaatata ctgtaaaaata tttatttaatt aaaaataatt ttataatcta 60
 tacagaattg aataaaaaagt acaacaaatt attttcactt atttacaaaa ctgcatacag 120
 tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180
 tattcttgtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240
 cagggaataa ttgctttggg aacatgaaca atttgtacca cattccatta aaaaaagatt 300
 taataaaatc cctcaaacag cacttttcta cttgtttcgg agtacacaat tcccaaatta 360
 gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420
 ttttatgata tcacttcctt tcccttccct tagctagtgg tcctttccct tcccctaata 480
 gtaagggtgg gngaattggaa atggcctatt cctatccca tccatttgcc tccaggatcc 540
 ctgcttaacc naatgnggta tggctcgnctt ggccacctgn cacc 585

<210> 465
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N32748

<220>
 <221> unsure
 <222> (1)..(579)
 <223> n = a or c or g or t

<400> 465
 cagcagaaga gtgacctgat tttattcacc ttttattgga aatctgtggg acagaactag 60
 gcaatgaggg tgctacaata ataaagggtga gtggtggcag tggcttgacc agagcagaag 120
 tgggaatgaa acagttggat tctgtttgtt ttcaaagaag agctcataga acttactgat 180
 ggnttggtat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtataa 240
 tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300
 tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360
 caagtaagta gcagggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420
 ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480
 cgcnagattt tcntcctcca cgtccatctt cctcagagtc catcaggggc cnccagnact 540
 ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579

<210> 466
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N33927

<220>
 <221> unsure
 <222> (1)..(355)
 <223> n = a or c or g or t

<400> 466
 acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
 cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120
 tctgtaacag aagtaaatc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180
 aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240
 caggatgaag ttggatttgg gtgggatcca cacaggtcat tttcaggcaa gatgagactt 300
 cccaagtcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 467
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N34817

<220>
 <221> unsure

<222> (1)..(455)
<223> n = a or c or g or t

<400> 467
aacagggatt tatagcagct ttattcaaaa taactaaaat ttggaagcaa ccaagatgcc 60
cttcagtaag tgaatggata aactatggta cacacaatag aacataattc agcactaaaa 120
agaaatgggc tatcttgtcc tcaaaagatg aggaaactta aaagcatatt actaagtaaa 180
agaaggcagt ctgaaaaggc tacttactat ataactgcaa ctatgtaaca tgcgaaatga 240
tggagatggt ttgcagggtt aaggggatga tatgtaataa acaggaagag cagggatgac 300
ttttagaaca aagtgttctg tgagggtacta taaggctggg atacatgtca ttatacattt 360
actccaaacc cataagcatg taaaaccncc aagagttaac ccctaattgt aaacctatgg 420
gcccttgga ccacctatgg atggcnccaa tggtta 455

<210> 468
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N36001

<220>
<221> unsure
<222> (1)..(412)
<223> n = a or c or g or t

<400> 468
attagtgaat tagtttattt aaaaccatca gtttttccaa tgtgaatgga ctggttcata 60
tcacaccata tttagagata caaggtgatt ataactaacg tgtctacaag acatactggg 120
tcaaacaatg tgatcaatcc aaagggatc tttttaaaaa gaatttaagt actcagctgc 180
aaagataagt tcaactaatga gatttttctt tttttttttt taaaaaaaaa aggtttttta 240
tgagtcaaatt ttattacaaa aacttagtgt gtaatcaaag ccaaatacat tcctcaggca 300
tgccagcgga acgcaaaata atgttaatag aatgttatta aaaaataaaa ctttttctga 360
atgatatata taanacctca tggcacatta tcctcatttg gacaacngga aa 412

<210> 469
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N39415

<400> 469
cagagaataa catttatttt atttggaag ttttcctaaa tatgagacta tctgctattt 60
ctcagactaa gtgaaaaatt taataaaata gctgccttga taggaggaaa acaaagtctt 120
tactttataa ggaataacgt atgaatcata aaagaagaat gagcgatcat gggaaacatt 180
tagcttttca aagtttttgg aacatgtacc tttaatgctt ttgggatcca gtaaaggcca 240
ggaaaggcaa agagttgaaa gtttcttggg tttatcctcg tacttacatc attagtaata 300
ggaataatgc atctcaaatt tggggcattt atataaaaac atgattttta aatggtagtc 360
tagtataaac taggattttg taatgctgtt taaatatttt catattactt tgtttcgaac 420
gtagacattc 430

<210> 470
<211> 443
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N40141

<400> 470

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gctgactcaa gttcttcagt tcacgatctt ctagttgcag cgatgagtgc acgagtgaga 60
tcaagatcca gaggaagagg agatgggtcag gaggtcccg atgtggttgc attcgtggct 120
cccgggtgaat ctacagcaaga ggaaccacca actgacaatc aggatattga acctggacaa 180
gagagagaag gaacacctcc gatcgaagaa cgtaaagtag aagggtgattg ccaggaaatg 240
gatctggaaa agactcggag tgagcgtgga gatggctctg atgtaaaaga gaagactcca 300
cctaataccta agcatgctaa gactaaagaa gcaggagatg ggcagccata agttaaaaag 360
aagacaagct gaagctacac acatggctga tgtcacattg aaaatgtgac ttgaaaattt 420
tgaaaattct ctccaataaa gtt                                     443
```

<210> 471

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N47686

<220>

<221> unsure

<222> (1) .. (513)

<223> n = a or c or g or t

<400> 471

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gggtttatgg ggtttaattt ttaatactgt taacatcatc gagccagcta aacaccaaga 60
atatcaataa atactaatag tttgttttca cttcctcctt ctgttggagc actttgactt 120
tatatacatt ccagtcttag tgccaaggcc ccattggggt tcaaattcca taccagagca 180
catcacctgg atgtgactct catatgctca aggatattcc tggagttgaa aggaaatata 240
aaatgagcat aagaacagat tacagacgcg tcagtatgaa agttgatact cgtgaaaaac 300
agcagtttgc tgagaccctg gaagttagct ggagcagtca ggcagaaatg actcgtgacc 360
atggctgcaa atgggggctg ttctcacaaa gggctttcca ccattctttt cttgggcttg 420
caggtagaag atgcgggttt cttcaggata agtaacttta ctgaggggca tctttagatg 480
gttgaattt tttgtggtca tgatgaggaa cnt                                     513
```

<210> 472

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N48056

<400> 472

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atataatatt caactttatt tcaaatatac caatttttaa atttatcaat ataccatta 60
cgattctttc tgagtgacat accacacaaa ttcaatacgg attctctaaa gaatcctctt 120
aggctacttc actcaaagtc tctgcagctg cctgcactgt gaaggctgca acataaatct 180
gtctcttcac ttctcccag gccttggaag ggtccacttt gctttcaata tcaaacagag 240
catcataaat tcctgggaat gactcccctg cataacttgt gtggctgctt ggagcataga 300
tgacatgcct ataaaaaggc ctgtctggta accctaattg atcaataaat gctctttcca 360
gaaacatgag ttgatcattc atcattctta atactattgg gttgcttttg gtcaaagtcc 420
tgagtgctct cactgaactt gg                                     442
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<210> 473
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N49899

<400> 473
 ttccaacaac atttggttta taaaggaata caaacaggca caaaacatgg ttcagaagat 60
 ttattaagta aacttgctaa aatatggaca gatacactta gcagtcaaac agttgaatat 120
 taattgctac ctcatataag tttttgtatc tgtattacca ggtccaaaca taaaaaccac 180
 ctctgttcaa aaaataaatg ttcagagagc tgtatgttct ttgttcttgt atgtacattt 240
 taaaaaaaca cctctttcca gtcttgctaa ccaagaatat tagtcatata aaagaactta 300
 gaattttttt cccaagtac aagctatctt ttggctccaa aacagttctg aaggttttat 360
 ttatatatta tcttatcccg agggaccaac agcagggcat acctttggcc aggccttctt 420
 ggcagaaaga cacagagccg taaagggaaa aaataaaatt gccataaagg tatag 475

<210> 474
 <211> 474
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N51529

<220>
 <221> unsure
 <222> (1) .. (474)
 <223> n = a or c or g or t

<400> 474
 gcaaaaaata aatataaaat ttattaaaaac acccacaata ttttaaagat accaggagta 60
 atacagttca caaaccaggt tgtttgtgta aattataata aaatacaaat caaaaaggat 120
 acatacttgc aattttctag caccctaaat taaatttact gaaacactga gggagaaggg 180
 agggttaagga ggggtagctc aggaggcaaa ccaataaagt ggaaggaaaa aatattaaca 240
 aaaaggtaaa aattatacaa aataaaaatta tcagcgtaaa tttactgtac taagaatatc 300
 tacagtttaa tacacatcct attgcccttg agacatttgc aaaaatctac cattcatcca 360
 tcaaccccag attaaacttc attttcaagt agccccagtt ttaccaagtc nagaacnggaa 420
 tattttccagt atgggttggt aagttcacct ccantgggag gccaggttac ccaa 474

<210> 475
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N52254

<220>
 <221> unsure
 <222> (1) .. (507)
 <223> n = a or c or g or t

<400> 475
 tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt 60

```

ttctgagata agtagcataa ggcgcatTTg aagaaatact attgttgtat cacagagaac 120
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatggtct agctatgcag 180
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggcacatgaa ggtatgcata 240
aactgtcttc acatttaatt ttgtatgatt cgggagatac ctccatgtac atctaaccag 300
gtcaggcagc ataagtcctc agtaaccctg ggggtgtgccg gcttcaagcc aaagtattct 360
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggctcttc 480
ttctccttct gcagnttctc cctcctc 507

```

<210> 476

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53359

<400> 476

```

catctaaaag tggTTTTTTa atatatatat tttttccaaa ggaagaaatt tcttgctttt 60
actcaggga aaaaaaaaaa ttaaggtaga tttagtaga atgatttcat ctaaaagagt 120
tctttcagga gacatctgtg attcactgca ttgtttttat tttctt 166

```

<210> 477

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53447

<400> 477

```

gtatagagta aaattttatta tagggttgta gaattcatac aacctaaact ccttacagca 60
ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaatactg 120
cattagttaa aaatgactgt ctcataaaaa ttctgttaca tataagtcag gtttaattaca 180
gagcacctaa cagaactgca aagatgtaat ttctaaattc aagaaagttg tacaaaaatga 240
aaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaac 300
aattttaaatt atttcaaatt ttaaaattgc tccaccataa gatgaataaa gagcttactt 360
aaaggaaaag aaaaaaggaa 380

```

<210> 478

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N55502

<400> 478

```

ctgtgaataa aactttttaat aatgtacagc agaaattgga caggctcatt cttatatataa 60
aacaaaagat ttcttatatt acaatttatt tacatttgca tactgaagag gtaaagtgtc 120
taagtggcta ttttacagtc ctttctaata aaatgtacaa aaacaaacag aagtaccgag 180
aatgccgttc gggggccttt atggcgacgt aagaacgggc ttggacttgg tctgtgaatc 240
cagaatccag aggtgcaggt agcactactg gatcagggtt agcctcgggg ggccaaaaac 300
acggcttcag ttttcccca actctcactt agtggttaaga gtggcagagg tgggtgtggg 360
agcttcccaa agacctgctc catcttcccc agagggtggaa 400

```

<210> 479
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N57577

<400> 479
 ttccctcagg tggttaaagg ccaccaaaca aatactgggc aacaggggtt tgttgggaga 60
 gttagaaata aaaaattaac caaattttgt ccctgtgtta attcaatgcc agcaaggagg 120
 caagtactga agaagaaaag ggacaatttt cataactaaa aagaattcct ctaatcatgt 180
 caccatctca tataatgaat ccaggggaatc ccagaaatag aaaattagtt tcagggggacc 240
 cctgaggcac tttaaagcct tttaaaaaat tacagtaata ataaattaga tattgctctt 300
 cagaggctaa cagagcagca gaagcatcaa gatcagggtcc aaagagttat gccacattt 360
 acaggcttcc tggagctgct cagccctctt ttaaagctta gttgaatcct ttaaaatacc 420
 ctttaaaaag 430

<210> 480
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N58172

<400> 480
 cctgaccgta ctctcaaaa tccagattgt ttgtgcatac atttaaaaaa aaaatcaatg 60
 gaaatttcca cctttgttcg aacacataaa gtatgccatg agcaatataa catcacaaac 120
 gtactgtgac aaaccattaa taaagaagga ttactaagcc aggtgtgggtg gtgcatgcct 180
 gtagcccgag tatgcaggag gctgaggcag gaggatcact tgagcccggg agtttgagtc 240
 caccctgggt aacacaccaa ggactccatc tctaaaaaat taaaattaaa aggattactg 300
 aaagatctca tttctaaaaa aagaaaaaag aaaaagatca ctggaagtcc agacatgata 360
 tttttaatt 369

<210> 481
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N59532

<400> 481
 ggcaagtaag aaggaagttt aatttttttt tcaggattca gtggagtcca ttaatgcata 60
 ccagggggcaa agatcagccc agggtaaggc aagtctggga ggaagcccac cctgccctac 120
 agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180
 ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat cccaagttt 240
 acacacaggc atagcagccc tactgtgagt cagcaatcat tcctgacttg cagtaaggac 300
 aatttgcatt tacggaaagc aaactggagg gggtagccta agtccgcact gcccatgtta 360
 ttaccctttg caatgtgaaa aacctgggtg aggtaggttg ggcaggtttt atcctctcca 420
 caaagggtgag cctttgctcc acagc 445

<210> 482
 <211> 473
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59831

<220>

<221> unsure

<222> (1)..(473)

<223> n = a or c or g or t

<400> 482

```
acctataaat atatatttatt catacttttta aatatttttac aattcaaata aaaaccttat 60
atgtagacaa tctgggctaa atttccatgt atgttttgaa aaataatgtt agcatgaata 120
gattcatatt taaatatgat tttaaatact cttaatagag gagacataag aaatattttac 180
ataaaagcta agtagcatga tacagctcat ggttattttc ctcataggaa aacaattact 240
tgattttttt tttttgcata ggattaagac tgagtatctt ttctacattc ttttaacttt 300
ctaaggggca cttctcaaaa cacagaccag gtagcaaadc tccactggcn ctaaggntct 360
caccaccact tttctcacac cnaagcaata ggtagnatc caggncaccac cttctgaggg 420
nccggaagga atgggttcg gaaaataatg gnttttaaaa nattaccatt aag 473
```

<210> 483

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59866

<400> 483

```
gttttttttt tttttttaat acaaaattta ttttatttct atgtactaac aatgaacaat 60
gggagggtatt tacaattaca gtcaaaacca taaaacactt agaattttac aaacttcaag 120
acctacacac tgaaaactat aaaacatttc cgagaagtca aagactaaat aaatggaaga 180
tgatactatg ttcattcaatt agagtactta atatgttatt aattctcact aaattgattt 240
atagattcca tacaatcctg ctcaaaatcc cagcaggctt tattctgggg aaatattgac 300
aacctaattc caaatgttat agggaaatgc aaaggaccta gaacagccaa aacaacttga 360
taaaaggaca aaattgaaat ccttaaattt gactcccata tttccaacaa atctacagta 420
attaagacaa tggatatagg g 441
```

<210> 484

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63047

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 484

```
nttattttta ataaatattt taattctatt gttgacattt acaagtagaa agcatacagt 60
atgttacaaa tatcaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120
agtattttct taccttccct gaaagtaaga aaactattca gcataggaaa atatcagtat 180
caaaaacaca gcttaggtgt aaaaaaagtt tttacacagt atttaaaaaa aatgatctac 240
```



```

aaaatgacaa agtaagtgtt gaaatctgat ttcataataa ttataaaaaac tgggtactta 300
gagtaaatgt tatctggttg gaaaataagt ccaatcataa gctttcctta ggtcaattct 360
ttaaataatt aaaagcatac cgaaaaattt tccaataaat aaccttnaag aggggttcc 419

```

```

<210> 485
<211> 189
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N63536

```

```

<220>
<221> unsure
<222> (1) .. (189)
<223> n = a or c or g or t

```

```

<400> 485
nagcaagcaa aaaactacct ttatatatga tggtattcaa atacatggat aagataacac 60
attttatgat gtaaaaagta atatttaaaa attaaaaggc aagtctttct ggtattcaga 120
agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180
aatgtaca 189

```

```

<210> 486
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N64683

```

```

<220>
<221> unsure
<222> (1) .. (523)
<223> n = a or c or g or t

```

```

<400> 486
acaacttttt taatatatat ttttataaac aggtcacgtg ataaaatagc acaagaaaca 60
cttaccaaat ataagggttat atcttccgca tatacaggag aatgaggtcg ttatgtacaa 120
taagaaaatg attttagggg ttggttggtt ttgttttctt ctctcccctt aatttttctt 180
cctacagtcg ttggaaatat cacagcttca gttgcattaa tactttgggc aaatggacag 240
ctgcccctcc ccactagggg tctgtgggga ggaggggctg gagaaactgg ctcttgacca 300
ctcagccctg gagcttcctg gggctggcac tccagggaca ggaaaatctt tgggctgttg 360
atctgtttct gattcaacag catctctctc tctcttttnc ctctctctcn cagtctcatt 420
ctctctctca ctctctggct ctctgggaaa cgggtactct cttccaacca gatagggagt 480
gtcccaagat tgggtgtggg gcgcggtatc tctggggnc ttt 523

```

```

<210> 487
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N66802

```

```

<220>

```

<221> unsure
 <222> (1)..(401)
 <223> n = a or c or g or t

<400> 487
 ttttttttca ggccaaacta aagcttttatg ctataaaaaac aagaaataaa ataaggagat 60
 ttataggccg gctgattgtc agcaaacaca atatatttac tgtattagca tttgctcaca 120
 gtgcaaattg tacaacatta caccatttca atatttcggt ttttaaaaaat gctgttttca 180
 ttaactatat tatattggca ttacaatatg acaaaggagc aaatgaaatg ttgggtgaaga 240
 atttcacctt ttcacaatat caagcatatt tttttaacct tagtataagg tactataaat 300
 ccaagaaata aaaacatcca caaaatatat tacatctngg tttgtctttt ttctaagtac 360
 tcaactttat acaaaagtct ttcaaaaaat atcatttccc c 401

<210> 488
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67041

<400> 488
 aacattttcat ggaaaacttt ttattggttt tctggataga aacaggaatt tatttgccag 60
 gaagaatgat cccatcatac ttcagctaga accagtgatg aggatgattc agtcttaaaa 120
 aagaaggaaa tccagtcata agctacagca tgtatgaatg ttaagtgaag tacgccagtc 180
 acaaaaagaca aatactgtgt aggtatccaa agtaatcaaa ctcatagaaa cagaaagtag 240
 aatacttgct gccaggggtt gcaaggacca ggaaatggag agctggttatt caatgggtat 300
 agtttcagtc aagtaaaata aaagaagttg tacaacaatg tatatatggt taacaatact 360
 gtattgtaca gttaaaaatt aagataaact tggatactta tttttaatgg acaattttta 420
 aaaatagggtg tgggtaacaa tttccaatgg g 451

<210> 489
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67575

<400> 489
 tctattttaga tcggattttta ttttgcaata tttattatat attcaattca aatgtactca 60
 ctattgtgct aggcaattga aagtaaaaag tataaagctg cattttgcgc tctcagtgag 120
 gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
 gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 490
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67815

<220>
 <221> unsure
 <222> (1)..(334)

<223> n = a or c or g or t

<400> 490

```
tttttttttt tggtaaagac ttttaagaga aagaagtatt ttaaaaagta gcagtgtctt 60
gaggctcagg gtgtaggata gggggcacag ctgggtcccgg gaggcccctt gtgcacaggt 120
ggtggcccag ggcnaangtc tcgctcttgg gggacgcgcg gccgggggac ngccatcgtn 180
tccggccccg ggctcccggc gggctccggc ggcagggaca atggcgaggc cgctcaccac 240
ttnaggaana ccatcccggc caggacggtn tagcccagca ccaggaagag gaccttnagc 300
anacggtcac ttttctcttc canctccttg gccca 334
```

<210> 491

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67876

<220>

<221> unsure

<222> (1)..(478)

<223> n = a or c or g or t

<400> 491

```
agtcaagtac tttcttaaag aaacaatagc accacattgg catagctggg ccaaacaata 60
aatgggaaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120
agtaacagaa accctggagc cacagagcat gagatcgggt tcactctacac aaacattgac 180
gttccaagga gaggaaggat tctcaagggt ggacaggctt tttgtttgtt tgtttgtttt 240
ttaataaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtggg 360
gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420
tttcagggga actgcctcat cttaaaaagt ncaaatctcg tgccgaattc ctgcagcc 478
```

<210> 492

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68350

<400> 492

```
accggctaaa agctttaatc cagagcctgc cctactctga tagtaccaga gtggagggca 60
gaataccaaa tgtccaggaa ccaaaggcag ggctgtgggg acctgaagag cagcacagtg 120
gggcccgtgc tgctgtgggg gaaactgagg ctgggagctc agcagagacc ggtgtcaaga 180
gtctctggga actgcatagg cctgagggaac atgcattttc aagttgtcca ttgatgggtt 240
cgtacctgaa tttctcacct tttgtgaaca tcttgggagg gtggggggtt tgcaggggtg 300
ttaaaagcaa ggcttgggag cccctttcct ccagctgggtg gctccttctc agggcctggc 360
ctcattcagg ccactttgta gagaaatgcc ctgacctcgc aggaaggatt tcccc 415
```

<210> 493

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69207

<400> 493

```
tttcttttatt atacttttat tgtttgttta attcattttt gtctgtttaca aataaaatttc 60
aaactagaga gtcacagatg ttaataaaact cgcccaatgc atcacctgcc tccgaattcc 120
atagtttcca ctgccttgcg ctacttgcat tctgattaga gaatggtaat gtgtgcctct 180
ctgaatcaag ttcaagaata aatgccctat cctggctaac acggtgaaac cccgtctcta 240
ctaaaaatac aaaaaattag cggggcgacg atggcgggcg cctgc 285
```

<210> 494

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69222

<220>

<221> unsure

<222> (1) .. (284)

<223> n = a or c or g or t

<400> 494

```
ttttatgagc aagcgtgggt tatttcataa atgcaagggg agcttaacat tgaaaactta 60
atctaattta taattatgta aatgaaagaa taaaaataat atgatcacgt taatatattac 120
agaaaactgca ttttaataaaa ttcaacattc attcatgatt taaacaataa aagaaaactc 180
ttaacaaata agaatagaag anaccttcaa cagtctgact ttaaaaagag aaagccccag 240
aaagcctatg naaacatttt acttaatggg aagataaagt ttttttctaa aaa 293
```

<210> 495

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N72253

<220>

<221> unsure

<222> (1) .. (320)

<223> n = a or c or g or t

<400> 495

```
ccttttttctt aaggaatcca ttcatgttgg aagcccagat tccctaacat atgcactagt 60
ggttggctct gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggg actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
cccaagctgg gctcaagagc cgtggggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaaccca 320
```

<210> 496

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N74291

<220>

<221> unsure

<222> (1) .. (465)

<223> n = a or c or g or t

<400> 496

```
agagaataaa acttggattt attcagaccg tatgcttccc atttgggggtg cagagtgggg 60
gacagtcatg gggacagaga aaggcagtgc atttggcttc tagggacatg ctgattgctg 120
actctttggg tgacctttgg gccaccagat gaccagctga atgatggaga tggatgatgaa 180
ggggctggcg gccaggctct tctggagacc tcacagtgat tccaaacaga gaccaacgct 240
gtgtccagtt ggctctgttc ctctccaggg attaaggagc agatggctgg gaacactcag 300
actaattaa gaaataaaaa ctctgggtag agggacactc tggggggctc caattcaggc 360
agtgggtgtg aaattcacac atgtcgatgc gtggggccagg cccgtgtgaa aaacatgtgt 420
gtgtcngtat atattacatc ctccacaagc anctggggagc cccca 465
```

<210> 497

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75870

<400> 497

```
tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaca gttgtatgtt 60
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120
taagaagaca ttttggttaca taaggatgac ttttttatac aatggaataa attatggcat 180
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa 212
```

<210> 498

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75960

<400> 498

```
ttaaattaat agatcaaaag ctgctcgcat tacagagaca accaatagta tgaaaaaacc 60
agcatgctat caccaaaatc caaactaaga aaaactctac aaggtaaaca acacaacttc 120
ttcaacaaat atattgtaag agggcagaga gatgctgatg aaccaatagg tgagtgaacc 180
ccaaacctgc agcttcagat cacctgggaa tttggtagag atgcaattt 229
```

<210> 499

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N78630

<220>

<221> unsure

<222> (1) .. (440)

<223> n = a or c or g or t

<400> 499

```
gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60
gcattaaata atttataaat gtatTTTTga ctgacagact tttatcataa ggattcatgt 120
gtttacaaaa gcaaaatcca acctctccag agctagaaa tggaagggtg cccgggctgc 180
aacacagcct tgggggagga tgaggccaca taattctctc tgccacact ctcagaatgc 240
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtggtgtg 300
gactctccaa aatgcagacc caaccggang ccggggccgc ctttccatct ggaggcactg 360
cagggttctt gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420
atgCGcagcc cgggggcttt                                     440
```

<210> 500

<211> 144

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79070

<400> 500

```
catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata 60
taagaaacat agatctctgt ggggcgtatc acaacgtcag ggtcaggagg cctcaggact 120
ggagcagggg gtgaaacccc ggga                                     144
```

<210> 501

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79778

<400> 501

```
atgttagaaa attttaatat atgatttttg tagggccaat acatagtaaa gacatagctt 60
tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120
gctatgacca gtggtgcaaa atttttcaaa aatttataca ttagatttac ctttacaagg 180
ttatagtcaa gaataattaa tttgtatttt aagcaaactc tactgctttt caaaaaatgt 240
cttaatcttg agtgaggaat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300
aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc 360
agctttcctt aatgttaaca atgtacataa ccataatatg attttcaaaa accaggaaat 420
taacattaca gtagtgTTTT aatttt                                     446
```

<210> 502

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80129

<220>

<221> unsure

<222> (1)..(409)

<223> n = a or c or g or t

<400> 502
 agtctagatg aatttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60
 tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120
 gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180
 gatgcagccc tgggcacact tggcacagcc cacaggngang canggagcag cagctcttct 240
 tgcaggaggt gcatattgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300
 caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttccccgat 360
 tcaagaggaa aacacgcagc gggacagatt ctctgtgccga attcttggc 409

<210> 503
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N80152

<400> 503
 acctctgtca atgattcttt tgagaaaagc acccataatt tgctacttga ggatttttatt 60
 ccttggattc tctggatgct cattgcatga aaagtggaaa agtttagatc tatggaaaca 120
 gaactgtttgc ctatatcgga aaatcagtgc cttgtggaat acaggtaaga acagtgttgc 180
 tcttgaaaaa gtggacagtg ggtggtctga atgtgtcctg gtccctggag tgggttttta 240
 gattgatgtg gactcttctt agacttgtaa gtaaaaaagt tgtttcttcc cctaaaaggg 300
 aactcgtgcg ccttagacct ggggaatttgc tgggaaactg aaacattctg tagactttac 360
 ttgtttccaa ctgtatcgca gcaagaagtc tatgtgcccc aggatc 406

<210> 504
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N91461

<220>
 <221> unsure
 <222> (1)..(508)
 <223> n = a or c or g or t

<400> 504
 ctttacattg tctaataagac ttgtttatta ttttaagctg gtaaaaagag acttatgatt 60
 catgttgaag aaagagttat ttgtgcttga tacattgaag aactgttca aaagcagttt 120
 gtccttataa aaggatgacc cctgtagtat ttcttaggca aggagggaca aattcaacca 180
 acgaaaagca catctcgccc cgagttcccc atgatttctc cacatatagc aaaaaaatac 240
 acatcagtaa tttatttgaa catgcacatc agtgagtagg cancagttct ncggcggcta 300
 ctcaagacaa caanngggag aatatcagca ttacctaaat aaaaaagaga ggtgaatcac 360
 accattttta ttgtctttaa aacacggata agaagagcaa ttaaaatata gtcctaaaca 420
 gtactagcta atgtagatta cntaagtata ccatatgatt ccactaatag tgctctgaca 480
 agcataaccn ccagttctag ttaaccag 508

<210> 505
 <211> 154
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. N91887

<220>

<221> unsure

<222> (1)..(154)

<223> n = a or c or g or t

<400> 505

```
atatttatta ttttattgct acattggaag tgaaaataaa ctgtaagaag ctgccaaagg 60
atgcaacttc atgaagatta tgaaactatt gaggcaccca ttgtagaaag ttaaaattgg 120
cttatcctgc atgaggtgga agcnaaggcc tccc 154
```

<210> 506

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91971

<400> 506

```
gttttgaaca cagatcactt tattggcatg gctttgtttt aagaaaagga aaagtgacaa 60
agccaagaga cagactctgc taacagatgc ctgggggtgg ctggacattt ttgcctcatg 120
ctgtgcaaag aggggggatcc tggcccacac atcctgctga ttccttggg 169
```

<210> 507

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91973

<400> 507

```
tttttttttt tttttttttt atggggcagc gggggctttt attcgtcaga ttttccttct 60
tggcctactc cccaggtgtg gccagggata gtccatacag tgtgggtact gcaaggctcag 120
gatggccagc agaccagc 139
```

<210> 508

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92239

<220>

<221> unsure

<222> (1)..(395)

<223> n = a or c or g or t

<400> 508

```
tcagaaaact aaagcagcac ctttatttta tacatacaaa cagtataaaa tgtttattag 60
gtaagagctg tgttttgttt acaatatatt atattgcttc aagccaatgc aaaaagttca 120
tacattatat tccctatttc attgtgttta gaatatatta tattgtttta atgccantac 180
cacagtgtaa tttttttttt ttttaatactg aatctctgga ataatggtaa ggtcaaaata 240
```



```
tattgtattg agagttttaa aattaagagc aattttttaa aatgtaacaa acatctaaat 300
atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcaccat ccaaattctt 360
gtgacttacg cattttgccc catttaacct ttctg                               395
```

```
<210> 509
<211> 510
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. N92502
```

```
<220>
<221> unsure
<222> (1)..(510)
<223> n = a or c or g or t
```

```
<400> 509
ttttttat ac aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60
aaagattgtt ttaatttgct gtccactctt ggtgacctga tgaatacact ggtaacagtc 120
cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
gaatctcacg atgagcttcc tcaggcttcg gccgtgcgtg gaccagtcag cttccgggtg 240
tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300
gtcttgccct ccagggttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360
ggattccttc tacttcacag cgggtgggag gctcagaacg acagctgggg tctttccaca 420
gtggacacaa agaggtacgt tccagttctt gatcaaatng atcactgggg agaaaagggtg 480
aactggggag aataantaac aggccattta                               510
```

```
<210> 510
<211> 270
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. N93798
```

```
<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t
```

```
<400> 510
cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaat 60
aatttaagggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
tggttacaaa atataccccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
gtcgggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
gcgccccaga gggagtggcg gagacaggac                               270
```

```
<210> 511
<211> 399
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. N94303
```

<220>
 <221> unsure
 <222> (1)..(399)
 <223> n = a or c or g or t

<400> 511
 ttttttagca agacaagggtg tttttattga ggtctcagga attgcaattt gggagacaga 60
 ttcagctaga agccacttgt gttctgaaga gagagggttag aggaggggtt tttaaaaaaa 120
 gctgaggggtg attagacaag ttgacaagtt gttttgaaag aggcaactgg cttagtacia 180
 aaatccatag tttattgggtt ggtgctgttg aggagttgta gtgctgggtga aataaaattt 240
 tccaggatgc agtgggtcatc gcaatttggc ccaattcaaa ggttcaagggt aagctcctgt 300
 attgtttttt tttttggagc ttttaatttt ttttcaagtt gcagggtcatg tagggagtcc 360
 nttttaagaa tggcttctct cctccaattt agagttcct 399

<210> 512
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N94424

<220>
 <221> unsure
 <222> (1)..(508)
 <223> n = a or c or g or t

<400> 512
 tttttttttt ttattattta gaaatgtaaa catttattta aaagtaggta gcaagttaaa 60
 aatgaatact tgcctgaaat cataaaacat aatcaagttc tttttaaaac agttaatttt 120
 tttcctataa tttactttca tcgaaagtat attatctttg ttttaacatgc tagatagaag 180
 caatttagca acataaaaata tattagctat agtatgttca aaagaatgag aaatataaat 240
 tcagagatga gaccatcatt ttttgcagtt aaaaaaaaaa atgttgattc tgggtgcaaca 300
 tacactgatt atccaggttt tacatttttag ggctgaaacc ctgaggaacc tgctgggtgac 360
 tgtttagcac tngagcagag ttcagtgtgg catgcgcttc ccagagttaa aagcnaaagc 420
 agactggaga aacnaaaaac ccacatcctt ggcatttcng aggttttcac ctggtaatcn 480
 tagggtttcc ccaatttatt agaattgtt 508

<210> 513
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N95495

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 513
 tttttgccaa acattagagt ttgttttatt gcatgacgtt tgcataagaa aaaaagttat 60
 tgaaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120
 atagggtggac atataatcta aaatttaaaa actagttcca gaaaagtaca taaaaaattt 180
 aacatgatga gcttttaaat atgggtttata gtttcatgtt gttaaaaagt gcttcaaagt 240

tactgctgga aagttgctct ttacaaatgg cgctgggggtg atgtcagatt ataaactgta 300
 aaaaccaagt acttttatgg aattagaaag ctaacattgt gatccccaac ttcttgaacc 360
 agttttcaat cccattcaa attaagttga ttaatatata taactaaaaa cactgggtta 420
 tcccccaaa ggcttggatc cagtagnctg tggccaccaa tc 462

<210> 514
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N98485

<400> 514
 tttttttttt tttttgttat atacatttta ttgaaaaaaa attttacaac aaaatatttt 60
 ggcaaactgt aaaagtatac ataagtcaa atatatactc cttttaaaat acaagcaaag 120
 tgtgagtata cacggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180
 aaaacgttgt attgtcc 197

<210> 515
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R00144

<220>
 <221> unsure
 <222> (1)..(340)
 <223> n = a or c or g or t

<400> 515
 tctaaaatat aattgtttat cccaatgtca ctccaccag gctgcagtga tggcnaaatc 60
 actgtaacct cgaacacctg gcttcaagca agcctccctt aagcttccca cactgttggg 120
 attgcaggca tgagccacta ttgtctgagc agtgggtctt cctgcaggct ggcttaccct 180
 ctgcatccca cccatcctgc aggtgaggct gaccatgccc ctagggtcca agagtcaagg 240
 gtaatgaaca caccatcac ctntcaaaag tgacgggtct gtccatcatca atatgaggga 300
 ntttctcan ttcttggcat aatcagctca ggggacacaa 340

<210> 516
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R01257

<220>
 <221> unsure
 <222> (1)..(417)
 <223> n = a or c or g or t

<400> 516
 aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgcct 60
 cgggtgcttg gtggcttgcg cccacnactt cccccctttt tattaactag aatcgccatc 120

```
gccatcattg cttgttgttg acttcggact tggtttcgga ctccttagag gcatctgcag 180
actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgaccc 240
ctgacgggtt tgagccattt gaagggatta aaatcagggt aattgttttag ttatgccttc 300
aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
gctctttaag gttgtggaaa tatcccaagg gttaaggtta tcatcccngg ggttttt 417
```

<210> 517

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R02003

<220>

<221> unsure

<222> (1) .. (258)

<223> n = a or c or g or t

<400> 517

```
tgantntca tagggctcgg cgtgggaaca gagcgcagga gtctgggggtg ctccaccggc 60
ggggaggggg cgcgcagtc ctcctggggg gatcgggggt gctaggcagg ggtggtggcg 120
caagaagggt ctcgggagcc ggggggtctg gaggtggagg agtctcagca tcttgtttcc 180
tgtgctcctt cccagcaggt gcaggccctt ctgcctgggg tcccctctgg aaggccctcg 240
gtttccccgg cgccaagg 258
```

<210> 518

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R08850

<220>

<221> unsure

<222> (1) .. (294)

<223> n = a or c or g or t

<400> 518

```
ttccnaaanc aggcagttaa tgtgctgaca tagtaacaag gtttgaagga ggaacatctc 60
atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120
acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180
catgantgca cagacaaggn tatgtgacag gaagctgggt gacattttgc atctgacata 240
gcagtacacc tagagagccc aaggaantcc accccaagt taccagaggc aaga 294
```

<210> 519

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R09379

<220>

<221> unsure

<222> (1)..(413)
 <223> n = a or c or g or t

<400> 519
 ttggnnttgag tttggccttt cctactgcag ccaggtgaga gcttaagatg tcagtcccca 60
 atatcttcac agagtgcctt tatgaccagt ttggagaatt acgatggtaa ggggaagagg 120
 cagatatgaa gaggaatggt taggggaatt gtcattcata actctgtgct atattacttg 180
 aggggctaag aaaaatgtat ggtcagtgaa acacagtagt gtacccttaa atgccttata 240
 aaagaccatc catccagtct gcgcttttga ctgtgtgcaa gtatcagtaa taatgctttt 300
 ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360
 ccaaaaatga ggaagtccct tccaacaccc atttttccca ttactgttct cac 413

<210> 520
 <211> 319
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R10896

<400> 520
 ttaagccatc caagtaaaaa aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg 60
 gtttatgcca aaaaacaaac cagtcctctg cagcctaact catttgtttt tgggctgcga 120
 ccattgtaga gggcgatcag gcagtagatg gtccctccca cagtcagcgc catggtggtc 180
 cggtaaagca tttggtcagg caggcctcgt ttcaggtaga cgggcacacc atcagctttc 240
 tggaaaaact tttgtagctc tggaactttg tttttccag cataatcata ccctgtggga 300
 atcggagggtc agtttagtt 319

<210> 521
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R11526

<220>
 <221> unsure
 <222> (1)..(318)
 <223> n = a or c or g or t

<400> 521
 tttantagcg cgaccatttc tttattaaat tatacaaaan ggnnggggag gggggcagct 60
 gtggggctcg gcaanaccn ggccccaccc cggcctggcg ctgtctgaga agaggggatc 120
 tgagggatc ccagggatca ggcaggatag ggatggggca ggacatgagg ctgggggatg 180
 cagaggttag gtgggagagg ctaccngaga aggaatgagg ctggtagggg agggagaaag 240
 agagcaaaga gagagaggag caattggggg ccagctggag agctcagatg gagcaggtca 300
 ggaggtggaa caatggca 318

<210> 522
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R15108

<220>
 <221> unsure
 <222> (1)..(362)
 <223> n = a or c or g or t

<400> 522
 tttttttttt tttttttttt ttttaacggta gaaccaangt ttattaatga cagcctttat 60
 tacaatcact ctcaagtgtgta aaaaataaaag ggtgattaat taatatttaa aactcactcg 120
 gacttgctgt ttggcctttc agtggatgtg ccaaaggga gggatcttgc ctgattctga 180
 atcaattggc cagatggagt tctactggaga atgaggcaat caacaaaaaa gacaaatgat 240
 gccaaactgga gagagctcgt gtcttctcca tgttggaagg acattacaaa atggcaactn 300
 tgggtggggg cagagatgaa gtaagacaac cttacagtcg gagtaagatg tgaataccct 360
 tt 362

<210> 523
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R16983

<220>
 <221> unsure
 <222> (1)..(416)
 <223> n = a or c or g or t

<400> 523
 ttgcagagac aagtgaacat ttatTTTTgt acctttcttc ctatgtgtat ttcaagtctt 60
 tttcaaaaca aggcctgagg aatctccaga ttcaattatg tccctgggct ttgtcgacag 120
 ctgcaggagt cttagggagc cttgtacaaa tgctagagtt actcatttac caacattaaa 180
 cccgagaata gaagatgcaa caaagcaggt ttccttcttc catgggaaag tgctgatttc 240
 agacaagggc agcagccaat gtaggaaaaat gctgggaatt tttccttggg aactgggact 300
 gtggatgaga ggggtgctttg cccatggaac cataaggcta ctgtcttttc ttttggnccc 360
 ttccctttcc caggtttttg gaaggnataa aggcgggaa ataaatcttt ctctgg 416

<210> 524
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R25410

<400> 524
 gtggacaaat cttttatttt ctgaagacaa gtgatttgaa gtccagactg aatggcattt 60
 aagaattagg aatcctgcgt gccatcctgg agtgaattaa actaaattag agtcagaat 120
 atgcagcttc ttttaagaaaa aattctcttc tgaaatatat tctttcccac tgcattaagt 180
 agtgttcctc atgagacatc tggaaaacat tgattgttaa aatgtgggtc tggg 234

<210> 525
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. R28370

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 525

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anatggatat tagttcttta ttgagaatca gaaatatttt aaatttacta aattcagagg 60
tagtcatggc ctctcccaa taaactttac agtcttagac aatttgtgca ttttaataaa 120
ttcttagtta tagtattaaa gaaagtggct gggcgcgggg gctcacgcct ggtaatccca 180
ggcacttttg gaggtccagg gcagaggcag ggcagatcat gaggtcagga gatcgagacc 240
atcctgggct aacacggtga aaccccgctct ctactacaaa cacaaaaaaaa ttaggccggg 300
cgtgggagac agggcaccgg taggtcccgg gtacttcggg gagggctgag gacagggagg 360
aattgctttg aacccgggga ggccaaggtt ncagttnagg cccgagattc acgggnact 419
```

<210> 526

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31679

<220>

<221> unsure

<222> (1)..(431)

<223> n = a or c or g or t

<400> 526

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acttccaaga tnaacatttt tctgtttatt cttagaatgt gaattttttt tttcaactca 60
gggccaagta caaacttttg atttttgaaa ttttttcaac tcagggccaa gtacaatctt 120
ttgatttaaa aatttttttt catgaacaaa ccatcagtag ttattaagga gccaagaaa 180
taggagatgt gaaagcagga tttctttgtg tttcctttga atgttggtat tttgagtatt 240
atcattatca gggtaggagg gaaggaaagg gtagggctgg ggaaggtagg gtccttatgg 300
atatcttgac tatgggatcc ccaggattta catttcacct ggtcacagn gcacacataa 360
tttaggataa acatgttcaa ggaatggaca taaacagagg ggtaaacaca ggggggcttt 420
acatttgggg g 431
```

<210> 527

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33627

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 527

```
aaaaaaaaact tttgaatcat ttattctttg gttgtctaca nagacactta agtactgtat 60
cgctgtcatg cagcggcctg tggaggccct gggggtggct gggcctgtgt cctgagccct 120
cagccagatc caggggggtgc ggtgtctggt catgtccact ccaagagcag tagcaccatg 180
```

tagaaggctg tgagcagggg cccctcggct gaggggcaga tgtaggctca ctgctntgca 240
gccccaa 247

<210> 528
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R36881

<220>
<221> unsure
<222> (1)..(282)
<223> n = a or c or g or t

<400> 528
tttttttttt ngtgattata cgtttttatta gactcnggga ggggtaatgg caaggncttc 60
atcangtggt ccttcaaatt aaaaaaaaaa aatacaaaaag ctacgtagaa aacgtcagat 120
cagacgacta aactttcccg actcagggcc aagttcttct tgagcctgcg ctctcgggac 180
gcctgcgagt cggctctccga gtacgggggc ggcgcgggag ggtagtaggc ctcttcctcc 240
tcctccttgt ggggtctcct cctctcctcc gaccttcttc tc 282

<210> 529
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R36969

<220>
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

<400> 529
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60
gtatcataca aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120
tgattttcca cctccctcc agggacttgg gtcccaggag cagtgactgg gcctcagaga 180
aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240
ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300
taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttccagg 360
ggcctggggg nttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420
ggggtagg 428

<210> 530
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R37588

<220>
<221> unsure

<222> (1)..(507)

<223> n = a or c or g or t

<400> 530

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ttttttttta gaattcaggt agtggttttg tttattatct tagtgttgtc acaagtgata 60
gaaacccccca ngaagtngga angaaagagc tccttgcntg gacctacatt ttgccattcc 120
cctcttgccc tgggntcaga accttgaagc ctttgcttgg cccttgcatg ttaggatatg 180
gccaagaatc agaaactgat gcgtttttcc agcactacct gtgtgctgca ctcatggaag 240
gtgggaagct atacacaggt atccaacttg gttataagac accagttccc acagggctgg 300
atttctcagc tgtctgggta aaccagtggc acttcactgc ccaggggtg gctggctccc 360
tttctgaatt tctgtctcaa tgtgatataa ttgccacat tcaggatggc taccacatt 420
ttggtatgaa caccatgact tctttaaggc aacgggggct ttcctnctca gaacagtgcc 480
cctgnaattt ttctctctgt gggcttt 507
```

<210> 531

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R37774

<220>

<221> unsure

<222> (1)..(239)

<223> n = a or c or g or t

<400> 531

```
ttttttttta tgtatttcca aaatcacaaa atgcacaaca ttcattngttt ttaatattgc 60
aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120
tttcatatca aaacaaaaca cacaagtgtc ttttcaatat taaaacgact gtgataaaaa 180
catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239
```

<210> 532

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R38678

<220>

<221> unsure

<222> (1)..(237)

<223> n = a or c or g or t

<400> 532

```
tttttttttt tttttttttt ttttttccng ttggaaattt tttatttacc actgcaaggt 60
ttttgctcca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120
tttagttcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180
aaacaaatca caaggactag ttggtttagg ttacagccac attttccccg gggctcc 237
```

<210> 533

<211> 401

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. R38709

<220>
<221> unsure
<222> (1)..(401)
<223> n = a or c or g or t

<400> 533
tttttttttt tttttttgat ttctcaacat caaagtttaa ttattacaaa atagttcaag 60
caacatgata tgantttcaa aaactgtatg ttgcttngct tcctngtttt gctccaacac 120
taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgatttcagt 180
cacaaaaacc cttcttggat gaacaatact tgttcttttc agaagaaaag caattttacc 240
ttttctatatt ctattatgaa aaacagagct aaacaatttt tgtattttta gtagagacag 300
ggncccacca cgctggccac gntgggtctc ganctccttt caagntgttc tgcctgcccc 360
ggcctnccaa agtgccgggg nctacaggat ntgaggncac c 401

<210> 534
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R39467

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

<400> 534
gagccacctc ggggtgactg agcggaaggc caggcagggc ttccctctctc ttccctctcc 60
ccttcctcgg gaggtccccc agaccctggc atgggatggg ctgggatctt ctctgtgaat 120
ccacccttgg ctacccccac cctgggctac cccaacggca tcccaaggcc aggtggggccc 180
ttagctgagg gaaggtagca gctccctgct ggagcctggg gacctatggg cacaggccag 240
ggcagcccgg agctngngtg ggggcnttag tngggggttg ntgcttgacc cccagcacia 300
taaaaatgaa acgttgaaaa aaaaaaaaaa aaaaaaattt 340

<210> 535
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R40431

<400> 535
tttttttttt tttttttgtc ttgtgtgtat ttttatttca gggaaagaaa tgagggatat 60
gataagaaaa agtctattaa aattgtaagg ctactccag acaccattgc ttaaatact 120
ccctctgcac acagagagaa aacccttggg caagtgcaca aaaacactac tcataaaagc 180
acgggtgacc agtgaac 197

<210> 536
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42241

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 536
tttttttttt ttttgaaaac agaattatattt attgcataca gcatgggact gtgatcaacc 60
tggnecatcaa atgccgcgat ggctgacagg gcccaggcgg cgggagtgct gggaagccca 120
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggg tctntgagtt 180
gcgagttgtt cctgtttgtc ttccagcccc cagtcctccc cggccactct gattagccag 240
cctagggtag ggcctggcat aaagtccacac aggcaaacc cagaagaagg aaaaagggca 300
cctgcatgaa caaagagttg gggtgcagag gntgcaccgg ggtaagactt ccttcatgca 360
gttnggagtc cncatcatgtn gggacatcag gagatgncac cncacagaat tggtnngctag 420
gttttntctgg gttttggccc agagaggctn attcccattn tttt 464

<210> 537
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42424

<400> 537
tttttttttt actttctgtg agcttatgag gccattctgc acattatcaa aatgaaatca 60
ttatgcagta accttatata tataaatcca attttttctt ttgtagaaga aaacccaaaat 120
aatttttacaa actacattta acttagtaat ataaagaact gactagtgtg aaattttgaa 180
aatctaccac tttatttttg agggaaagggt acacatcctt caaaaccccg gctaacaatt 240
cctagggttca gttttctatt atacaaatca aaagggttaa ttccttgtgg gcactaacca 300
aaactttaaa aattaacg 318

<210> 538
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42607

<220>
<221> unsure
<222> (1)..(243)
<223> n = a or c or g or t

<400> 538
tttttttttt aggctttgca aaatacatattt aatgatctct ttcaaacaag tggtactcgn 60
gttttctttg ctttctggag cttaaagggg tatcgatgag gcagcagtca cgggagaccc 120
aacatgctct tggcagatac tggattatcc aactatcaaa aatggagctg tagaagaggc 180
atgttnaact ggttaaaaca gaaaggggtat tttagtacgg tcaagttgat ctaagtacag 240
agg 243

<210> 539
<211> 270

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44397

<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t

<400> 539
tttttttttg tattgtatac acagtggaaa gctgggtttta tttgggagac aatgggagct 60
tttacattgt tgagcaaagg agtgacgaga tcagtcttgc tttttagaaa gattagtttg 120
gcagttactt atttgtaacc aganttagac agcaaaccgg gatgcagggg gagaagtcag 180
gtgactatta gtctgcgagt aattctggga caagagcagt ggtaatggaa ttnaaaggga 240
ttaaagtntt taccaggttt tggcataaat 270

<210> 540
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44535

<220>
<221> unsure
<222> (1)..(367)
<223> n = a or c or g or t

<400> 540
tttnttccaa aaatcaccac ctttaatact ccccggtcct gcacacaccc acagtctcac 60
tgggctccac cctcaattac tgcccgcgct ggatggcctt ggaggctgcc tgcccgcgcc 120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgntctcgat gggcaccagg 180
taagcgnctc agtgggatgg cctnatccac aggtgcgttg ggcacacagt aggtgcggan 240
tncaatttgc ccanctgntn cctccagggt cagcaccttg aagaagtttg tgggcactgc 300
cangtgggtt ttgccgatga cctgggtant ttacgttaga tttcccatca gntctgtcc 360
atgggac 367

<210> 541
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44714

<220>
<221> unsure
<222> (1)..(398)
<223> n = a or c or g or t

<400> 541
tttttttttt tttttttttt tttttgattt tnagcaggna cagttttgat tttattgcaa 60
ggcacacaat cgtatataca atgcataatt atcatctttt aaagtacaag ataaaaatca 120

```
tatacattat agtaaaganc atatgagtat attcttgttt cagagangaa anttgcctta 180
aggaagctgg gttataccgt ttttgatgt gattttcgta tttatactga atcatccgaa 240
cagctcttgg ttaggaaaat aaatctcatt gatagggnc cacaaccttt cacaggcttt 300
cactttacaa tgttccantt taaaggtcag ccagtgtggc tccctggatt ttggcatggg 360
gtcatcgttt tttcatcccn ggggtcttgg gttggaaa 398
```

```
<210> 542
<211> 364
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R45654
```

```
<220>
<221> unsure
<222> (1)..(364)
<223> n = a or c or g or t
```

```
<400> 542
tttttttttg ccatgtttca tttcctttaa taatgaaaat ccataagggt ttaaaatact 60
cttagacaca cctagcttag caaatatcat ggacctctac atttatgtga attcacacat 120
gagctagcca gcacctcagt tctggctggc catcgacacc tgcttctccc tttggccctg 180
gggccaggga gccctggagg ccaggttccc ctctgcctcc tccaatggag ttgccagcat 240
cgcttttata tcccttctgc cccaggaggg caggaagccc aggggagcct tcagccccct 300
tctcaccnt ntgccccntn ttnccagca aacctggggg cccngnttc cttttgttc 360
ctgg 364
```

```
<210> 543
<211> 229
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R45698
```

```
<400> 543
tttttttttt ttttttcatt ataaaagtca gtttattttc cttttctgtg tttcgtat 60
tccctttttg tcagtaaatg agcaatacac tgactggaaa tctgcatgat taaataacat 120
taacaagttc ataaacacac cccatatcag agtataaagc aagagggtga aaaatatccc 180
ctaaccgaat gccaaattag ggtatccctc aaaattgcac attctccct 229
```

```
<210> 544
<211> 254
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R46074
```

```
<220>
<221> unsure
<222> (1)..(254)
<223> n = a or c or g or t
```

```
<400> 544
```

```

tttttttttt tttttttttt tttttttttt ttattgcaa ganccaaaga aaaaatttta 60
tttacaatag agaattttat ttgaaacatg catttcttgt ttttttaaaa acaaatcagc 120
aaatgcagat caagttttaca ctccttaagg caagagtccc tatgcacgct gtacatgttc 180
atattaaatc caaaagctgc tcacccgggg aacttgtgta caaagggcaa ggccaaggtc 240
agcaatgtgt cttt 254

```

```

<210> 545
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R49138

```

```

<220>
<221> unsure
<222> (1)..(338)
<223> n = a or c or g or t

```

```

<400> 545
ttttnttttt tttttttttt ggagttgaga tatttattaa cagatggggg tgctgggggt 60
gggctcctgc cccagaggga ttgacagggtg gatgccgggt ggggagggct gcagggtgg 120
ctcctggcct ctntcctggc ttcattgggtcc tgacanctct gggccancct cagggtggg 180
agcgtactnt agcaccancc tttcaaagtc gttctccttg gcctgggtact ccttgatgaa 240
gggatgggac ctgtgggcat ccttcagctg ggacagggtat cggtttgtca cctcaggggg 300
nttgccaggn tgctnggaca ggacgatgag gtnacca 338

```

```

<210> 546
<211> 284
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R49327

```

```

<400> 546
tttttttttt tttggaaaaa gaaatttttt tttaattaga aaccaagttt acatacggtt 60
aaatgggttac taaaagctca gttgtaacca ctcctaacac cactagcaga acctcaaggg 120
agccaagagc tcttcccttt tcccctgtta atttccagta taatgtagca gcacaattat 180
ttcatgtcac atttaagaag aacaagaacc aatttatata aaggtagaat tgtatatcct 240
taaacattcc acataaacac actgtcaaaa ctactggat atgc 284

```

```

<210> 547
<211> 414
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R51831

```

```

<220>
<221> unsure
<222> (1)..(414)
<223> n = a or c or g or t

```

```

<400> 547

```

```

tttttttttt ccatttttaa ttatttttatt gtatattaaa aaaccaaata aagcaataac 60
tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120
ttgacaccgg aactaccgtt aaagtgcagg ttttgttttg tggttcctttg tgcagtttca 180
ctcacatgta aacaagtcac ttggctatga tttgaccac gcccccccg ttagtttcgg 240
gagggcagag gctctaccgg ctgtcacagc aaccgggant cacagncaag ntaatgcccc 300
gtgggtcctg accctgcaag cggggcatga cggtttcttg angcctagca gagngtggtt 360
aactttcaca tncctcccc accccgtggt tcactnttag gtttttgaga agtt 414

```

<210> 548

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56183

<220>

<221> unsure

<222> (1)..(538)

<223> n = a or c or g or t

<400> 548

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gtaagatggc ggggtacgac ttaactactc gcatcacgca ccttttggat cggcatctag 60
tctttccgct ccttgagttt ctctctgtaa aggagatata taaagaaaag gaattattac 120
aaggtaaatt ggaccttctt agtgatgcc aatggtaga ctttgctatg gatgcataca 180
aaaaccttta ttctgatgat attcctcatg ctttgaaaaa gaatagaacc acagttgttg 240
cacaactgaa acagcttcag gcagaaacag aactaattgt gaaaatgttt gaagatccag 300
aaacgacaag gcaaatgagg tcaaccagg atggtaggat gctctttgac tacctgggag 360
gacaagcatg gttttaggca ggagtattta gatacattct acacatatgc aaaattccca 420
gtattgaatg tggggaatta cttcaggagc agccagaatn tctttatttt ttccagagtg 480
ttggttcccc caaccgacag anatgctgta agttcactct gggggaagct ggcctctg 538

```

<210> 549

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56602

<400> 549

```

tttttttttg ctgttatgat tagatattta ttgagcacca ggagagagtc agaacattag 60
acttatagtg gaggagcaga actgaaccct ggctgtgaa ataacaattt caattaaaag 120
ctgtctggcc ctgaagaaa agaaatgatc ctggatatag ctggctctct gagctggcag 180
agctgagcct ccctcgggtc ttctgggtgg caagatgcc aagttgaata gtgtctgtag 240
ggcatgatga ccaagtccta gtgctatgg catcttccct ctggatttta ggagaggagt 300
accagaagcc ccgagcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
ttac 364

```

<210> 550

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R58878

<220>
 <221> unsure
 <222> (1)..(181)
 <223> n = a or c or g or t

 <400> 550
 caaacagggtc atttgttttt attttatgga tacaccaaaa ttttataatg agttgtgttt 60
 ctattttggc tttatcttcc agaaacttag aaccaaatat gcagtcctct tctagcaact 120
 gtatgagagc aggtggtaag cttctattnn attgccttg ttttcccttg actccaaatc 180
 t 181

<210> 551
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R59593

<220>
 <221> unsure
 <222> (1)..(485)
 <223> n = a or c or g or t

<400> 551
 tttttttttt ttttttgcca ttgaaaagaa agtttaatgt tacaattctc cccagaaatg 60
 agggcatggt catgccacag gggggccacat gaaactctgt cacaagcaga gaccacaaag 120
 cagagagagg acctgagact atgcctttat tgctaagtca gtgggatgga tctaggtggg 180
 gatgtcccct gtttgggcat aaagcaaaaa cagacattct atggttgtca ctgggaagtc 240
 tgtgatatga gttttgtgca cccacgagag agggcttaaa aggatgatgt aaacaacttt 300
 agcctttagt ttgtccctgt acttaatata tgtcaaatag ggcaaacaca aattctaagg 360
 taaacacaga ttagttccgg gagcagcttg gcttatggca cacnttcagg gaaacacctt 420
 ggcttaaatc ttacagggga ccacctgttt ttttcaaact ttgggggttat tccgtttctg 480
 acttt 485

<210> 552
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R60056

<220>
 <221> unsure
 <222> (1)..(363)
 <223> n = a or c or g or t

<400> 552
 tttttttttt ttttataaaa ggaaacagac caacatcata gtgttttatt gacaaaacca 60
 taggaaaagg cagtttttagg atgtaaagta aaaatgggtc tctgaaatat ctacacaaac 120
 gtgaattctg aaaagttttc attaaaatcg tatttcatac aattataaac taatgaggaa 180
 caaaacaatt ttcaacttct ccataaccca gactgagctt gatttatgct tgccatacag 240
 aagcagganc tcttcccaga gaggggtggtg gctcccacac agctgacagc caggtttggc 300
 tgtttaccta agcccatct tcccagtcgg tgttcaaaac aagggcacaa ggtctgggct 360
 tttcaaaaaa aa 372

<210> 553
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R60777

<220>
 <221> unsure
 <222> (1)..(387)
 <223> n = a or c or g or t

<400> 553
 tttttttttt tttttttatt taaatggaaa cactaatctt ttttttcac atgctgaagt 60
 gtgtgggttac aatttccaat aaaacactat atataataag caaaataagt tagtacattg 120
 taaacttatg cacagtttca tcaattaaca gtttaaganc aaacaagcca tttaagactt 180
 tggagctaca tttagtataa nattgcaaac actcaaactt tatcaacccc aagtaagaca 240
 gtaaagagct attcaagact tcttcaaacc aattacacaa ntacatgttt atttttgggt 300
 acagtcccct ggctatgcac aaggaccatt gggaatgctg ggancaattt acacatttta 360
 aaaacgggca aaaaggcaaa gcaagggg 387

<210> 554
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R69417

<220>
 <221> unsure
 <222> (1)..(350)
 <223> n = a or c or g or t

<400> 554
 ttttgtgggg ggggcaacta aacaaacaca agtatttctg tgtcaggtat tgggctggac 60
 agggcagttg tgtgttgggg tgggtttttt ctctattttt ttgtttgttt cttgtttttt 120
 aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagtcc 180
 tctctcctcc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240
 aaaatcccaa tccaagtcaa actttgcaca tatttatatt tatattcaga aaagaaacat 300
 ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

<210> 555
 <211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R71395

<220>
 <221> unsure
 <222> (1)..(284)
 <223> n = a or c or g or t

<400> 555
 tggaaaaaan nacaacttta ttttcagtca tttctatttc cttgggttatg aacaaaggta 60
 gcaaagtgc gttgtatcag cagtgcgaat agaaattaca gagtttttca tatcccttta 120
 cagtttgcca caggatatctt aaaatattgt ttacactcat ctctcttcag tttaccattg 180
 tttaataggc ctaccctcga tcttttttatt caatatgtta ataaagaaac ctatacacat 240
 agtatcacgt tatacattttt aaaantnttt tgacaactgt atat 284

<210> 556
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R71792

<220>
 <221> unsure
 <222> (1)..(480)
 <223> n = a or c or g or t

<400> 556
 atttattgca aactccctaa tatcacatgc tagtgcgctt gnaatttcac tcaggaatgt 60
 tccgggatgg gggccagaag gtagagagca ccatgaaagt acagcctgcg aggccggatt 120
 gctaaagggc agacttcatg ccaatggagg gacaganttc aggaccagtc tggatgggct 180
 aagctgcctt gggcngnaag gagctggatc aggccaggga gcttgagggt ctcctttggc 240
 caaccacccc caggtttcca gtcctcctc ctcactcagg gtcttgcgcg gtgagggagg 300
 tttgggggag gttcgcggt ntacagctgc cagggntttt ggggcactac canttaagcn 360
 tgaggccccc agtcagtcct tcactngggg aaagtttcca agganttggt gctttcactn 420
 gcattttttt cagacangtt ccggntaagg ggttnaagct ttnccttngg ggggttnccc 480

<210> 557
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R84421

<220>
 <221> unsure
 <222> (1)..(392)
 <223> n = a or c or g or t

<400> 557
 acaaagagaa aattttattt tcttattctt gaaatgactg tacgattttt caatgttaaa 60
 gttcactttc aagtatgatc aataacaaga catcaaagt aaaaattatg ctgtattatc 120
 attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180
 tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240
 aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300
 aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360
 gtcacttgac atatccaatg ttggctattt tg 392

<210> 558
 <211> 412
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R85291

<220>

<221> unsure

<222> (1)..(412)

<223> n = a or c or g or t

<400> 558

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ttgntatttta cangtatttta aatgtgaata ttcactacct atttggtgca ngcctgcant 60
ttttatactg ggcttgccaa aaacccgaac agctttctac tttgacaatg tatcagaatt 120
taaatacagca atatgttaat aagccaagca aagggttatat atgcaaataa aactggtgtc 180
tataacctcc tggtacactg gggcacagca aaagtcatgg ngtagtcgca tgtgaacctg 240
tccctttcat aggctgctca ttgccgggga acatcagggga atagccattt gggaaggggt 300
catcagccct cccancatcc gttttctgtc ttgtcttttc cctatgaggc agggggnaat 360
tccncggtgg ggccccaatc cccagtgcag gnggctcagc ctntggcctt tg 412
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<210> 559

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R88209

<220>

<221> unsure

<222> (1)..(380)

<223> n = a or c or g or t

<400> 559

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acatcagtca gaaaattcca gaaaatggaa agtactccat catacagcaa agtaaataca 60
tggttggttg aagagcagag agaaaaactt tataaaggct ccaagtaaat acaaagggtga 120
tagattagat aaattcatta tggngactct gatgatgggt tcacgggatt ataataaaat 180
tcaagactta tctacagct caaatatgtg tactttattg gatgtcattt atatctttat 240
tttattttta agatgggggtc tcactctatc acccgggctg gactgcagcg ttgcaatcct 300
aggctcactg caacctccgn ctcccgggnt caagcaatcc tcccacatca ctaaggncca 360
gggtacatgc cncctnccg 380
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<210> 560

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R89840

<220>

<221> unsure

<222> (1)..(379)

<223> n = a or c or g or t

<400> 560

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ttaaatttta ttatagtaac aaagtgacta tttttaataa taaaagcaga gtgcctgtag 60
```

```

gaagtggatg gccctatctc aggccaaagtc tccttagtgt ttcagaccta ggctgaccag 120
aatagtcttc tagaatgtaa catttatcca ccaggngtca ttatttacca atctgacaag 180
ccactgggct gtctccgngc attcaatggg tggaaatcaag gctacagacc agantaggag 240
atgaatgaaa ntagatttag aaaagggcgt tgtggctgga atgcagcttg cagtgtggga 300
gggcagggnt gggaggggtaa agagggctct ttgaaagncc agtntcactt tcctgatcca 360
agtttcttaa gctgatact 379

```

```

<210> 561
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R91484

```

```

<220>
<221> unsure
<222> (1)..(378)
<223> n = a or c or g or t

```

```

<400> 561
tcaaatgtca gatttcttta ttaaaatgtg cacattatag tttacttaaa tacaaaatgt 60
tcactttcct tgcaggtaaag aaatttcact gacatttcca tgtcaattag cttcttttta 120
ataaaaaatcc ttccactgaa aataaatang catttaantt actgaactat tatattcatt 180
agtctcaata cctcttaaaa tacttaaaac ttgngaaaat agactctaaa catngcctaa 240
ngngngggcat ccagctctga ggcaggccac acaagggtgtg tctgaggtat gggccatatg 300
actccggggg ggccacctcc acggacgggc ccagccccac cgacggntct gctggaaaat 360
cccggcccct caggcggg 378

```

```

<210> 562
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R93908

```

```

<220>
<221> unsure
<222> (1)..(223)
<223> n = a or c or g or t

```

```

<400> 562
catatatnna atantaaaaa tcctgggagg cattgcactg taatagtaag tctgcccac 60
caggntcatg catgtctttt ctttcattca agtcttattt tatatctttc agtaaatttt 120
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180
aganaatgaa aacattgatt tttttcaata tttattttgt gtc 223

```

```

<210> 563
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R96924

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<220>
 <221> unsure
 <222> (1)..(334)
 <223> n = a or c or g or t

<400> 563
 agtaaaactttt attnggggaga tgggggtgaat ccatcactgg ttactggaac cctgagtctg 60
 catttttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgttttgca agggttgtag 120
 tggtttgga tctctcacct gcttggtctcc cgagctgggc ctcaggctgn tctccccaga 180
 gtaaagtccc gggatcattg aggaagcgtt ggctgcgctg ggcatgttag ggcaggtctg 240
 tacggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcaggt nagggccnng 300
 acgaggaggg aagagcagcc tcgacagaga gtcc 334

<210> 564
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R98442

<220>
 <221> unsure
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 564
 gtactcatta atccccctct caattttttaa cagaattata aaagcaaagt caaaagggtcc 60
 ttcaggatga ctgggaggct tcctaggcta acttttgcac ttgaaaatgg aaaaaataaa 120
 ttacttgata tttgtgataa gactaagatt tcttaaaagt ctgcacatca atatattacc 180
 tgggcttagg aggggtgaggg cacagtatcc atctgcaccc tctcctcgta ttttttaaaa 240
 acaggcaaaa tatgtaagaa aaggctgggtg caggttgga gacagagcgt gcctgtctat 300
 gccagtgtctg ctgtgccctg cagcctgggn aggatgggag tcggatgtctg gggcctcatg 360
 nccacttagg gccataaaca tactcaagac tctacagccc tttcaccagc aaagtatgnc 420
 ctgaggggaa ccaactgggtg ttgggagttg aaggcacaca aagcaggggc taaagggcaa 480
 ttggggtttc acggtgcagg cgccttgagg 510

<210> 565
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R99092

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 565
 tgtagagacg ttttgccttg ttgcccaggc tggtttcgac ctgctgtgct caagggatct 60
 gccaccttg gctcccaaa gtccaggat tacaggcctg agctactgcg cccaacccat 120
 ttatttattn ctgttttagt tgcatttgct ttaggagct tagccatgaa ttctttgcct 180
 aggccaatgt ccagaggagt ttctcctagg ttatattcta gaatttttat ggtttcaggt 240
 cttaggttta agtcttttat ccatcttgag tttatttttg tgtaaaagtga gagacagggg 300

ttcagttttca ttctttctaca tgtggctatc cagttttccc agcaccattt attaaatagg 360
 ggtgtccttg cctcaattta tggttt 386

<210> 566

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S45630

<400> 566

gacccctcac actcacctag ccaccatgga catcgccatc caccacccct ggatccgccc 60
 ccccttcttt cctttccact ccccagccg cctctttgac cagttcttcg gagagcacct 120
 gttggagtct gatcttttcc cgacgtctac ttccctgagt cccttctacc ttcggccacc 180
 ctccctcctg cgggcaccca gctggtttga cactggactc tcagagatgc gcctggagaa 240
 ggacagggtt tctgtcaacc tggatgtgaa gcacttctcc ccagaggaac tcaaagttaa 300
 ggtgttggga gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 360
 tttcatctcc agggagttcc acaggaaata ccgatccca gctgatgtag accctctcac 420
 cattaacttca tccctgtcat ctgatggggc cctcactgtg aatggaccaaa ggaaacagg 480
 ctctggccct gagcgacca ttcccatcac ccgtgaagag aagcctgctg tcaccgcagc 540
 ccccaagaaa tagatgccct ttcttgaatt gcatttttta aaacaagaaa gtttcccccac 600
 cagtgaatga aagtcttggt actagtgtg aagcttatta atgctaaggg caggcccaaa 660
 ttatcaagct aataaaatat cattcagcaa c 691

<210> 567

<211> 1398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S59049

<400> 567

tagatggcaa cctccctatc tgcccgcagg tcatagaggc gacacgtagc gtcactctgac 60
 cctgaagcaa aggcactctc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
 ctaaccacaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
 ggaggccaaa gacttttggg atggatatga aagcatacct gagatctatg atcccacatc 240
 tggaaatctg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
 aatgggtctca atctctggaa aaacttcttg ccaaccaaac tgggtcaaat gtctttggaa 360
 gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
 ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
 tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
 agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
 ttatggaaaa ggactcttat cccagggttc tcaaatcaga tatttactta aatcttctaa 660
 atgacctgca ggctaatagc cttaaagtgc tgggtccctgg ctgaagggaa ttaacagata 720
 gtatcaaggc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
 tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagttaa 840
 ccaggcgtag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
 agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
 tgggaaggcc aggttaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
 acaacaggct gtaagaatca aagtcaactg acatctatgc tacatattat tatatagttt 1080
 gtactgagct attgaagtc cattaactta aagtatatgt tttcaaattg ccattgctac 1140
 tattgcttgt cgggtgtattt tattttattg tttttgactt tgggaagagat gaactgtgta 1200
 ttttaacttaa gctatttgctc ttaaaaccag ggatcagaat atatttgtaa gttaaactcat 1260
 tgggtgctaata aataaatgtg gattttgtat taaaatatat agaagcaatt tctgttttaca 1320

tgtccttgct actttttaaaa acttgcattht attcctcaga tttttaaaaat aaataaataa 1380
 ttcattttaaa aaaaaaaa 1398

<210> 568
 <211> 1223
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. S81914

<400> 568
 acactcgtct ggctcaccat gtgtcactct cgcagctgcc acccgacat gaccatcctg 60
 caggccccga ccccgcccc ctccaccatc ccgggacccc ggcggggctc cggtcctgag 120
 atcttcaoct tgcacctct cccggagccc gcagcggccc ctgcggggcg ccccgagcggc 180
 tctcgcgggc accgaaagcg cagccgcagg gttctctacc ctcgagtggc cggcgccag 240
 ctgccagtcg aggaaccgaa cccagccaaa aggtctctct ttctgctgct caccatcgtc 300
 ttctgccaga tctgatggc tgaagagggt gtgcggggcg ccctgcctcc agaggacgcc 360
 cctaagcccg catccctggc gccaccctct gtgtcccccg tcctcgagcc cttaaatctg 420
 acttcggagc cctcggacta cgtctctggc ctccagactt tcctccagca acacccggcc 480
 gccttctaac tgtgactccc cgcactcccc aaaaagaatc cgaaaaacca caaagaaaca 540
 ccaggcgctac ctgggtgcgc agagcgtatc cccaactggg acttccgagg caacttgaac 600
 tcagaacact acagcggaga cgcaccccg gtgttgaggc gggaccgagg cgcacagaga 660
 ccgaggcgca tagagaccga gcacagccca gctgggctag gcccggtggg aaggagagcg 720
 tcgttaattt atttcttatt gctcctaatt aatatttata tgtatttatg tacgtcctcc 780
 taggtgatga gatgtgtacg taatatttat tttaacttat gcaagggtgt gagatgttcc 840
 ccctgctgta aatgcaggct tcttggtatt tattgagctt tgtgggactg gtggaagcag 900
 gacacctgga actgcggcaa agtaggagaa gaaatgggga ggactcgggt gggggaggac 960
 gtcccggtcg ggatgaagtc tgggtggggc tcgtaagttt aggaggtgac tgcacccctc 1020
 agcattctca actccgtctg tctactgtgt gagacttcgg cggaccatta ggaatgagat 1080
 ccgtgagatc cttccatctt cttgaagtcg cttttagggt ggctgcgagg tagagggttg 1140
 ggggttggtg ggctgtcacg gagcgaactgt cgagatcgcc tagtatgttc tgtgaacaca 1200
 aataaaattg atttactgtc tgc 1223

<210> 569
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T03229

<400> 569
 ggtgatcttt gtggcattct ctgtatttcc tgaatctgaa tgttgtcctg ccttgctaga 60
 ttgggggaagt tctcctggat aatatcctgc agagtgtttt ccagctcggc tccattctgc 120
 ccatcacttt caggtaacc aatcagacgt agatttggtc ttctctcata gtcccatatt 180
 tcttgaggc tttattcgtt tcttggtatc cttttttcct ctaaaacttt tccttctcac 240
 ttcaatttca atttaatttc aaccttcaaa tcaactgata cccctttctt 290

<210> 570
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T03593

<220>
 <221> unsure
 <222> (1)..(253)
 <223> n = a or c or g or t

<400> 570
 cgngcaaaaag tgtttatttt tctccttcag atatacantc tattggggnt tccgtgccac 60
 tgaccaccat gtacaaggaa gggnttcaca ggcaaggggg acaggtgagg gcagcccca 120
 cttcactcaa ggaacagggc aagggggccc agtacagaga acagaaatct cttacgacag 180
 catcgtgccc tggcaganga ttctgcatan tcacctagaa atttcaattc taactgnttt 240
 gatggaataa tag 253

<210> 571
 <211> 71
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T10695

<400> 571
 tttttttttc agctgggcta caggtttatt ctggcactgg aggtgaaagg gggctgggtg 60
 ggccagcacc g 71

<210> 572
 <211> 255
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15409

<220>
 <221> unsure
 <222> (1)..(255)
 <223> n = a or c or g or t

<400> 572
 ttttattgaa agttgaaaag tgaacagtta aataagtgac accttaaaat tgtgtagcga 60
 aatgacagaa aatatgcata taactactat acaggtgcta tgcagaaacc cctactggga 120
 aatccatttn attngttcga actgcggatt tttnaacgta ttcaaccagc tgaattgaac 180
 gatttcagtg nacacggatt tacttttagcg tattcagcag ctagatttca gcttcacacn 240
 ngtgcgtnac tgtgc 255

<210> 573
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15423

<220>
 <221> unsure
 <222> (1)..(268)
 <223> n = a or c or g or t

<400> 573
 tttatttcat tatcagtctt acaggttgct gaggttgggc aaagccaggg tagtaactta 60
 aatccaaagc acttttgtgg agggacaacc cgttttagcaa ggccctgtta ctgaacagag 120
 ggcagtgggg ggcaccccag ggaccacagc acacagacta gtgttagaaa ccccttccca 180
 gaagcaaccg gtgggacttg gcccttacca gccaggggtc tactccattg ggtcttgggg 240
 cccaccaacc cctnttagag gnggnccc 268

<210> 574
 <211> 246
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15850

<220>
 <221> unsure
 <222> (1)..(246)
 <223> n = a or c or g or t

<400> 574
 aggaggggtg cgtttattag acaaacgctg ggagacaggc ctggtgggga cctggctggg 60
 ggatgatgca gcccgcaatg gctgctgctt cgtacttggc ttgccccgga ccacagactc 120
 gtaacggtaa cccctaactt ttcagggggc tggnacccgc ccctgccagg gtccacacgc 180
 agagttatgg cgggnccacc cccacaggtg cagctctatc tcccacctnt tgcacagaga 240
 tataag 246

<210> 575
 <211> 311
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T16282

<220>
 <221> unsure
 <222> (1)..(311)
 <223> n = a or c or g or t

<400> 575
 aagctcagag tgacttttaa tatgccaatc aatgttaata aaacacaagt caaagacaag 60
 tgcaaacatg ttttagacca aaattaatga gaaaacagac aatttttttc aacatctgtt 120
 agccagtatt attagtcaaa tggctaatac cagataaaat atattttgtg aaaaacttgg 180
 aatgtcagan gtcattctgg catttcaaac agctatgtac agtatcacga agatcggttt 240
 atatacacia atattgaaga gaaaaaccgg gcaaaacatt taaaaacaga ctaataatac 300
 aatcaagtat a 311

<210> 576
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T17428

<220>
 <221> unsure
 <222> (1)..(250)
 <223> n = a or c or g or t

<400> 576
 gctgtgcagt agtattttatt gttacagtgt taaaattcac tctcgggggaa gcgatttggg 60
 gccacggccc tagaaactgc atctttgttc agagccaacc catttcctct gcagccacaa 120
 aatgcctttg tgtntcaggg ctcgggagat tctcctcgnt ggccagccat tggcaagaat 180
 gccagactca gaggttgcca ttgccacag gctttntnct cctttccttt cacagcagga 240
 agagccctcc 250

<210> 577
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23468

<400> 577
 tttgccaaatt atctccatgt ttattttaaatt atttggctct aaaggaagca atcatttcctt 60
 tatacttctt taaatttagt attgacattt ttattttggg aaaggaggtc tttttttttt 120
 ttaacatgga tacaggaaaa gaaaactctc caataaaaaat attgtctaaa aagtttggtt 180
 tggtgcatg atttactaaa tatgtacaat ttcaattcac agcgaaggta acaaagattt 240
 aaacagccaa catcacaaat gtctcaagtt ctaaaaaaaa atcactgtgc acagtttaac 300
 aatttaatt 309

<210> 578
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23490

<220>
 <221> unsure
 <222> (1)..(299)
 <223> n = a or c or g or t

<400> 578
 tttccagggtt gacagggtttt attccacccc cttccatccc catggccacc ccaggcagga 60
 ggagacagggt gtgctggagt ctggtcactt tggggcccgg cgtgggcaga gccactggg 120
 tttacattct ctgtgggcag gtgtggacac cagagggctg gggcaggagg agcgtgggag 180
 cgagcggnccg acccccgctc ctggcccggc ccctgggtaa acgccgactc agatgcctga 240
 aacagacctg ggccgagcaa ggaaggttga tggattttcc acccagacag aaattcaaa 299

<210> 579
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23622

<400> 579
 tttatagagg agactgaaaa agataattta ttccatcaga ggcatacaca ttacagatta 60
 cagacatttg caagtaaata atatgcaggg ttagagcgct gcgttttaac atttaacatt 120
 catgagtaaa cagagatggc cgggtgggtaa atatcttgcc aagggtgggtc cttgtattaa 180
 gccttttgag tctaagatga caaatcccta ggggtcagggt gggttttccc gcacgaactc 240
 ttgtcaatga gaaatccctc agcccctttt gtcttgggtc tcacagctcc agaagggtga 299

<210> 580
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23935

<400> 580
 tttatgtata aacagggtacc agttttgatt ttatttaatc atttcataca ttaacataca 60
 tgacacatca aaatgagaaa tgcacagttt aaccgttcaa cagctggcct tacttcaaaa 120
 gaacactata ttcatattaa acatttacag tctttccatc taactttaca catgtcctaa 180
 atcattttcc agcacttctc acatagaagt ctagttttgc tctttaaaat caccatctgt 240
 atcaccctta gtagacgcga ggggttcccc aattacatgc tgaagagagc cagccaccac 300
 cccacctaa 309

<210> 581
 <211> 128
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T25732

<220>
 <221> unsure
 <222> (1)..(128)
 <223> n = a or c or g or t

<400> 581
 ctggcttttc ctttcttctt atttttattg ctcccaaagtg tccactcatc gtcactgtca 60
 gacgtctccg agtctgacga ggctgcaggc tgactcacag gcnntcctt cnnctcagag 120
 tcaactgag 128

<210> 582
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T32113

<220>
 <221> unsure
 <222> (1)..(207)
 <223> n = a or c or g or t

<400> 582
 ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60

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gctctccacc acctcctctc catccttggt ccagcgcacc tntgcccagg gccggcatag 120
ctcacaggtc agcaccacac gctccaggcg cacggctgcc acatacacct tgccgctggg 180
atacacgatac cacgaggaga cgtctgt 207

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<210> 583
<211> 308
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T33263

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<220>
<221> unsure
<222> (1)..(308)
<223> n = a or c or g or t

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```

<400> 583
gttccttttaa aggtttatct ctggcaaata aaaaaaata acttatgtgg ttagataaat 60
taatgtatgt nattagatac gacacagggc agagctgaac gttcctgttt tcttctggnt 120
cttgaagggtt ggtgagaggc cgctgaatga gaccagcct cgtgttttgt gggatgaaga 180
gatgcagaca aagtgactca ggtacactga tgctccctgg agggctggga ggtgggctca 240
gaggaagagg ccgaatccaa acctttttta ttgaaaagaa atagctcttg tttgtagcat 300
ttaaaga 308

```

```

<210> 584
<211> 271
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T40895

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<400> 584
taatggtagc tatcaattta ttaactggtt actgcggaac tatatataat tataaaatca 60
ccatcaatcc ttctattcat acgttaacac atatcactgg ttttaattcat tgaaggcaaa 120
tacaagtttt tcccttactt tccttccaag attccactta ggctgggttac cccaaacgta 180
atggagaaac attaaatgtc acttttaaac cacttttaaa ccagtcttta attttcaatt 240
caggtgtgag gcacatatat acacacaaac a 271

```

```

<210> 585
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T40995

```

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<400> 585
taatggtttaa ggaggaagggt ttattggctt caattcccca gttgatgttc aacactttat 60
ttagttctca tttggatttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120
tctttggaaa gctcccacgt gtaatttatt tttacatct ctgaagagca gaattaatga 180
tatttcctag ctgttgctcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240
gaaggcatct gtattgtttc aaaacgtcag gacggtagcg gatactcttt ccagagcgac 300
gagggtcaaa tcccttcatt tatttttttc aaaagggtaa aac 343

```

<210> 586
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T49061

<220>
 <221> unsure
 <222> (1)..(351)
 <223> n = a or c or g or t

<400> 586
 ggaccaaaga actttatatt tatttttaa atcaaagtaa cacaaagaac tagttcaata 60
 tacagtacac ttcctactct tcacagagaa ctgaaatctt ctataaagac atttatactt 120
 aggaaacatc agacaaccaa agtatgtata aaactcacaa gatattttac acacagttca 180
 caataattaa ttctgatatt ttaggntttt tctgtcattg cttttaaaagc atccttaatt 240
 taaaaacaaa aattattatt tgaggactgg aaaacagggtg gcaaaggcat ttctactttt 300
 aattatacac tggtaaattcc ccccttaatc caaaacattt tacttncaca t 351

<210> 587
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T49602

<220>
 <221> unsure
 <222> (1)..(423)
 <223> n = a or c or g or t

<400> 587
 tgaatattca agaaagggtga agttttaattt gcatataggc ataacctaca cctcacttgg 60
 caagtgttag gccacagcac aaacccctct gtccaatcac aaatgtccac aaatttgcaa 120
 agtaactgga cagcaacgat atgcttctca aactcacaca catattcgtc catcacacac 180
 aactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240
 tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaatacca tttggtcctc 300
 acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360
 agggaaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420
 tgg 423

<210> 588
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T53590

<220>
 <221> unsure
 <222> (1)..(309)
 <223> n = a or c or g or t

<400> 588
 ttnggtatgt ggttcagctn tttattntct ccatgggggtg ggtgaagagg agtggcccag 60
 ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120
 aggagcagga cttgggacag acgactgaag atgcagagac cccatggggc ccaccctgg 180
 gccttcctcc catntggctg caggcatcct ntntnatcan tgctgggttg cttcctgggt 240
 aaagggccan aaggtnaagg agatgggntt ttcangcatc agaagtgagg tnaatttggt 300
 gcccacatc 309

<210> 589
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T56281

<220>
 <221> unsure
 <222> (1)..(470)
 <223> n = a or c or g or t

<400> 589
 caggtnatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaatg 60
 ggtcaagggtg gtntaaaaaa aaaatccagg tttntacatg tctctctgtt tacatctggg 120
 agaaagggtt tcctggcatc agtcgcagca gctgcacttc tctgacgcc ctttgcaaac 180
 acagccctgg gcacacttgc tacagcccac ggggaggcag gagcagcagc tntnttgca 240
 ggagggtgca tttgcnctct ttgcacttgc aggggaaccag cgcagggtgc agggagacac 300
 cagcgggcgc agggagcagt tgggggggnc cattgcaagc ccgagggaga gactgggact 360
 tttcccaagg agagaagcga aggaagccag tggggggcag ctcgtgcccg anttccttca 420
 gccccggggg gntcccccta gttctaggag cggnccccac cgggtgggat 470

<210> 590
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T62857

<220>
 <221> unsure
 <222> (1)..(439)
 <223> n = a or c or g or t

<400> 590
 caatctnaaa aaaatatttt cattatgttt attataaaaa tataaatggt tccactacaa 60
 atcattttac attagtaaga ggccatctac attgtacaac ataaactgag taatattttg 120
 aaaagacaag tttaaagtaa acacatattg ccaatcatat cacatttata catggcttga 180
 ttgatattta gcacagcata aactgagtga gttaccagaa ataaataata tatgtaaatc 240
 aaatttaaga tacaaaacag ntcatatggg tacataacat catgtaggga gttgtggcct 300
 ttatgtttac tgaaagtcaa tgcagttccc tgtaccaaag ggatggccgt aggcattcta 360
 ggtaccctct ntccttggg ttagggaatc cgtacactta tggtttacca tatggtccgg 420
 ggttaggan ttgtggtaa 439

<210> 591
 <211> 450

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T62873

<220>
<221> unsure
<222> (1)..(450)
<223> n = a or c or g or t

<400> 591
tttttnacga gacagagctc agttctgtcg ccagactgg aatgcagtgg tatgatcttg 60
gctcactgca gcctcgactt ctcggttaca agcaattctc ccacctcagc ccctggngta 120
gctgggacta caggagtata ccacatgcc caactcgttt ttatatTTTT atagaaatgg 180
tntctcacca tattaccag gctggtctca aactcctggg ctcaagcgat ccatctgcct 240
gccttggtct cccaaagtgc tgggnttaca ggtgtgatcc tctgagtctg gccaatTTTT 300
atttaaagat atTTTTTaaa ttggactgga cgcggtggct catgcctggt aattaatccc 360
agcaactttg gggaggccaa ggcgggatgg cttagacca gctggggta acatgggcaa 420
gacccntct ctaaaaaacc aaaanaaggg 450

<210> 592
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T62918

<220>
<221> unsure
<222> (1)..(237)
<223> n = a or c or g or t

<400> 592
TTTTTTtaag aatcttctgg gcctctttat taagagccct ctgccttncc aggggagggg 60
agcaaactct tcaggcccc cagagttcct gcacccata tcatgggtga gnctaccagc 120
cacagagcca cccgtcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180
gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtctgaccg cactctg 237

<210> 593
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T64211

<220>
<221> unsure
<222> (1)..(301)
<223> n = a or c or g or t

<400> 593
TTTTTnntt tgtggatttt ccttttaatg caaaatgttg caatacaaaa caatgtggag 60
aaagcctggt ctcaggcac tgaaggagg agtgaggaa agaggacaga gctggacgtc 120

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tctctctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180
gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240
tgacatgggg caggagagca ggagggaaca ttgaggggtt tgactcttcg ggctctaaaa 300
g                                                                 301

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<210> 594
<211> 290
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T64223

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<220>
<221> unsure
<222> (1)..(290)
<223> n = a or c or g or t

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<400> 594
gaatttnana gcattaagtg cattttatatt tattgtatta gcacataaat tgatgaagcc 60
acatgggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat 120
atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttggagc aaagaaagggt 180
agttaaaagg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag 240
caaacagcag taacatgggg actttaantg aggcaagaga agggattcag                290

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<210> 595
<211> 445
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T67053

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<220>
<221> unsure
<222> (1)..(445)
<223> n = a or c or g or t

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<400> 595
ttctggttgt caatgaggat atttattggg gtttcatgag tgcagggaga agggctggat 60
gacttgggat ggggagagag acccctcccc tgggacccct gcagctccag ggtgccgtgg 120
gtnggggttag agttgggaac ctatgaacat tctntagggg ccactntctt ctccacgggtg 180
ctcccttcat gcgtgacctg gcanctntag cttctgtggg acttccactg ctccggcgctc 240
aggctcaggt agctgctggc cgcgtacttn ttgttgctct gtttggaggg ttgggtggtc 300
tccactcccn ccttnacggg gctgccatct gccttcagg gcactntcac agtcccggg 360
tagaagtcac tgatcagaca cactagtgtg gccttggttg cttggagctc ctccagaggan 420
ggcgggaaca gagttacagt gggga                445

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```

<210> 596
<211> 444
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. T67105

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<220>
 <221> unsure
 <222> (1) .. (444)
 <223> n = a or c or g or t

<400> 596
 ttancaaaca tttattgatt gcacaatgaa acaatctctc ctttcagata tatacatcag 60
 tttactaaaa gagtagatac aaaggtcagg aagtaattac aatgcaatgt gataagttta 120
 ataatatagg tttgacagca tacagnggag ggggtgattg ggtttnaggat gatgggtggga 180
 tattggccag gtaatatctc atggaccaag tgatgacaac atagggtttc acagatggat 240
 aagagtcttc caagtntacc aggggggaaat atacatgtgt gggtgccaaa acagagtatg 300
 gcatttcctg anagtcagan nttnatatac gagtataaag tncaagagaa tgggataagt 360
 agctagggag gtaaggccag acaggntagg cnagtcctag gggcctttca ggccatgggn 420
 agganaacgt ggggcttcac ccta 444

<210> 597
 <211> 244
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T68873

<220>
 <221> unsure
 <222> (1) .. (244)
 <223> n = a or c or g or t

<400> 597
 nttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatatatt aatagaaaaa 60
 ggaatgtagc aaatgctcag ggttgatga aaaaaaaatc caggtttgtg caggttgtgc 120
 tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180
 gccccctttgc agacgcagcc ctgggacact tggcacagcc atgggnagacc aggagcagca 240
 gctc 244

<210> 598
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T73433

<220>
 <221> unsure
 <222> (1) .. (346)
 <223> n = a or c or g or t

<400> 598
 gggagaaata accagctatt gttccgcatt caaacagaaa ttcaggtgct tgcattcttc 60
 acgtattgtt caaaaatcac aagcatctgt ggaaaaaaac taaggattta cagacactac 120
 acggagggtca tgttcttaca ttcaagacac taaatacaaa ccgangcant gcaaaattgt 180
 atactttaat tttaaaaccc antttttgtt ctcaacttga aaagggnaac acttttttgt 240
 ttcacaaaac agctgggtcg ggttgggant tctttttggg aacagtaggt cccgcgctaa 300
 acactggggt cttgcctccc caccctcctt ctctaaaatn aacccta 346

<210> 599
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T78398

<220>
 <221> unsure
 <222> (1)..(475)
 <223> n = a or c or g or t

<400> 599
 agtattgggt gtagttttat ctgtcctttt tttattcctt taattttaaaa aaaaaaaacc 60
 tttaaactag gcaaaattac tttcctttta acaaaaacca cattttcatg ccttctgata 120
 actttttctta aaccaaaaaac atgtcctact tcccttatac acttttcgatg gagaattttt 180
 tctcttgtat ttagtaattt caattatata catttattac aatgttaact tttaggtaac 240
 tcttattttt aggtgaaaaa ccttgggagg gtaggccgtt ttaattatgg taccaggatg 300
 gcaaaggtcc aggaacaagg ggaccaagcg ggggaggctg ggcctagggt cataggcctt 360
 aaaaacttta aatcttaagg gataaagggg nggggggnac ggtggggcct cacgggcttg 420
 ttaatcccggt tgggttgggg gaggggagcg tgggggtggg gntcacnggg ggtca 475

<210> 600
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T79768

<220>
 <221> unsure
 <222> (1)..(445)
 <223> n = a or c or g or t

<400> 600
 ttttaagaca actacaaact ttcaatattg gaggtagctg cagagatcat ggtaactgac 60
 tttttcacag atgaggaatt taaggcccag aggaaggtaa tatcagaatt agtgacctcc 120
 gcacccagca cacacacagg acaggggaaa ggggtgggaga gatgcatgca ctggggacct 180
 gggatagatt caagataccc ttgctggggg aggggtggggc tggccgttag ttctaactca 240
 gtcttctcag tgccacctcc agcccctgtg ggtctttatg ggggccaac tctttatcca 300
 tctttccttg gggatgatgg agggcatgtt cgccagcatt aaggatcttc ccagnacag 360
 gatggcacgg ccccgggcct tctttgatat tattaggtgg gcttctgggg gntttcttcc 420
 ctgccgncct tccacaactc agggc 445

<210> 601
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T85532

<220>
 <221> unsure

<222> (1)..(408)
<223> n = a or c or g or t

<400> 601
atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca 60
attttttttt ttttaaatta gtgaagtgtg gtactgcaca cccgaagtec cagctacttg 120
ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180
tgcaccacta tgctccagag tctaggcaac agagtgcagc cttatctctt taaaacaaac 240
aagaatgaag ttaggtatct gtttatttgt ttgagccatt tgtatttctt tttttgtagg 300
actgtcctgt ttnaaacgtt aaaatcactg ctgtngggtt tngattttta catctcagct 360
gggatgggca ccaattaaat tatttnaggc cctgggtttat tgnaaaat 408

<210> 602
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T86148

<220>
<221> unsure
<222> (1)..(459)
<223> n = a or c or g or t

<400> 602
atttttatat gaagggttttc tgggtgaaatc ttttaagcag ggaggaaaat ccaataaatt 60
tttttaaaaa ggttttagcta ttccccaatg ctatttaata caattgaggt taggacgtta 120
agtcttatca gactgtgtac tggagccccg tgtcatcagc aaaagccgtg tgagtcaaca 180
ggtgtgaaga ctcaagatgc gcacacagac gctgtccgtg gttttatggg gaatgatgag 240
ggctgggtcag ttctcctcat gacaaaagtc aaaccgactt ccctgtgttg cgtgtgaagc 300
ttgttagtg acagaggagg aaacgcaggg ttctgccttg gggagnatga cagnccacag 360
cgcttggggg nccgtcaggg ctttcgtgtn cagttagcgt ttcacaaact ngaggaggag 420
tattaaaana gcccaaacc caaagtttct ttttttcaa 459

<210> 603
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T89160

<220>
<221> unsure
<222> (1)..(357)
<223> n = a or c or g or t

<400> 603
atgctgctat gacagaatac ccaagactga gtaatttata aagaaaagta atttatttct 60
acagtgccag ggtctgggaa ggtgctggta tctggtgagg gctttcttgc tgcattcttc 120
catggcagaa agtgagaggg tgagagaggg acaaggagg ggaactgaac tcattccttt 180
atcagtaacc cactcctgca ataactaat cactcccaca ataacaacat taatctattc 240
atgagggcag agctntcatg acctagtcac ttcttaaagg ttctacctta actccattgc 300
tttgggggat taaatttcaa catattaaac ccttgggagg gacacattcc aaaccac 357

<210> 604
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T89703

<220>
 <221> unsure
 <222> (1)..(494)
 <223> n = a or c or g or t

<400> 604
 gtagaaaaca aaaatggaac atttattngc aactcaaata ctacgcatat acagtaagaa 60
 nttaaataata aacacagcaa gttccacccc agtcctatatt gtccaaggct gcatgggtcaa 120
 atggaatctt gaagagaaca cctggnaaac agagcancn tcagcgacgt ctccggtctg 180
 gactttctgct gcgtcttcgg ccacctctcc ncttgccctt tgggtggacc cgaacaaaac 240
 accagtcaac ggtgatgggc tgtcccatca aatcctgggc cattgagtcc ctccatagca 300
 gcctggggct tccttgatg tttcatattc agctaggagt ataccctgt cagatatcct 360
 gttcgccctgt cgagggtgag gatgaatgtt tttaatttcc ccatattctg cggaatttgt 420
 cgtgtatgtt ttctgcggna ggcttcctca tggacttcca gttacaaaga gantccagnc 480
 ttcagcagag cggtt 494

<210> 605
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T90190

<220>
 <221> unsure
 <222> (1)..(391)
 <223> n = a or c or g or t

<400> 605
 tantnntcca gctcttttat tgagatcagt ggtggctctg aaaagcgtnt ttnggggtttt 60
 agaagtaggc gttcgctaata ttcttcttgg gcgcgccttc ttaggcttga caaccttggg 120
 cttagcggcc ttggnntcac agccttagca gcacttttgg cagctttctt gggcttcgca 180
 accttggcct tctttgggct cttagcactt tcttggttac agtggccgcg gcggctntct 240
 tcgctttctt cgngtcttct ttagcgctct tcttcggagt tgcgccgcca gccgcccttc 300
 ttgggcttct tggctncccc aactggcttc ttaggtttgg gtccgcccgcc cttttnaacc 360
 ntggggcttg gntttccccg gagcttgccct t 391

<210> 606
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T90619

<220>
 <221> unsure

<222> (1)..(483)
<223> n = a or c or g or t

<400> 606
gannntnntg ggctcggcgt ggtggtgaag ctgtagcctc gctcagtgag gatctncatg 60
aggtagtcgg tcagggtccc gccagccagg nccagacgca ggatggcgtg ggggagggcg 120
tcggtacgaa tgggcaccgt gtgggtgacc ccgtctccag agtccatgac aatgccagtg 180
gtgcgcccag aggtangagg gacagcacgg cctggatggc acgtacatgg ccggggtggt 240
gaaggtctca aacataatct gagtcactct ctctctgttg gccttggggt tcaggggggc 300
ctcggtcagc agcactgggt ctctctccgg ggccacgcgc anttcgtttg tagaagggtg 360
nggtgccaga tctttctcca tgtccgtccc agtttggtga cgatgccatg cttcaatggg 420
gtantttcag ggtcaggatg ccangtttgc tcttgggcct tcgttcgccca cgtaggggaat 480
tct 483

<210> 607
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T90889

<220>
<221> unsure
<222> (1)..(224)
<223> n = a or c or g or t

<400> 607
natgaacagt atataatcta atctctttaa ttttatgtac atgaatataa tgtatgtcaa 60
ctttgtacat gagatacata tagtatttaa acattttact caacaaacaa gaattttacaa 120
tagcaatata actgactaga gggctatcaa cttaataata cttagattag atctgtactt 180
taataggaaa agaatttaat agttttacaat catagaaaca ctgacattta aaa 233

<210> 608
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T94447

<220>
<221> unsure
<222> (1)..(305)
<223> n = a or c or g or t

<400> 608
ttaattatng atattccccc tcaccgccct cagggancgg gagaagtcac acgaccatag 60
ggagcttgga cttggtgggc gtcacgggtgc tggcagacga gggctcttcc aggaaccctt 120
tgctagaatc agccctcata caagtgtgct cagagatccc aggagcgatg gcacccctcc 180
gaagtcacta ccccatatg tctccttggg cttcttcccc ctctctttct ggaacctgac 240
caggcagaac gcagcaactg ncagcaacag cacgcccagg gagcaccca atcagagntc 300
cggcc 305

<210> 609
<211> 302

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T95005

<400> 609
ctttattgaa aacattgagt gcagaaataa accctgctca tgaatgggaa aattcaattt 60
tacacaggtg ctgattttat ccagactgat ctatagattc agctgggttc cattctacat 120
ctcaaggggt ttttgggggg aatttgacaa gctgattctc aaggttacat ggaagagcaa 180
gggcccagac tagagtttag gagatgattc ccaaaggcac aggggcagaa aaatgaccag 240
tggaaccaca tagaaaaatc aattattgta ttttcaatgg atcactaggc agcaggggaaa 300
ag 302

<210> 610
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T96171

<220>
<221> unsure
<222> (1)..(352)
<223> n = a or c or g or t

<400> 610
tgccatgttg gcaggctagt ctcgaaactcc tagcctcaag tgatccacct accttggtt 60
cccaaagtcc tgggattata ggcattgagca ctgtgcccag cccatagatg gcttttatta 120
ccttaaggta tgtcatgagt aaccttttaa ttctccataa aattaattat tgtgtttttt 180
gtttgcttgg ttttctatga ccctatcata aattcaactc caaactctgc accaattttt 240
tttaaaacttt actcaagaat ttagggccac ataaacattc caacaaattt gtcttcgtag 300
ggnaaatctt ttccagagtt tttccccact atggcctaata gcgcagnggt ca 352

<210> 611
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T97243

<220>
<221> unsure
<222> (1)..(358)
<223> n = a or c or g or t

<400> 611
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<212> DNA

<213> Homo sapiens

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<211> 1902

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U26173

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<213> Homo sapiens

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<223> Genbank Accession No. U30999

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<212> DNA

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<223> Genbank Accession No. U41518

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<211> 1443

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U45955

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<212> DNA

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<212> DNA

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<213> Homo sapiens

<220>

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3025

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<211> 2093

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U57316

<400> 635

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<210> 646
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. U96094

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cggtagattt attccccaac tcttaactga aaatgtgtta gacaagccac aaagttaaaa 540
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 tcccttcaac ccacacggtc tgcaacccaa ctctaattca acctgccaga aggaatgtta 660
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<210> 647

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. V00563

<400> 647

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 ctaaccgtgc aacgggtgag atgtgactca taatagata 159

<210> 648

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. V00594

<400> 648

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<210> 649

<211> 3565

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. V01512

<400> 649

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ttgtttgctt attgttccaa gacattgtca ataaaagcat ttaagttgaa tgcgaccaac 3540
cttgtgtctt tttcattctg gaagt 3565

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<210> 650

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W02204

<220>
 <221> unsure
 <222> (1)..(448)
 <223> n = a or c or g or t

<400> 650
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 agaatgagaa tcctggggta gcgaggcaat taattaagca attcatctta aaagatggaa 120
 tacttggaac accttagcca tcattcaatg ccaaaatgtt tgggtttttt tcatatcaca 180
 tccgtcctat cttttcatct tcagtgaatc attcctcatg ttgttaatta aagccatatt 240
 taccatcata atctgcagtc acccgagctc attttgctct gaagccagt atattaagct 300
 gttctatttc taacgtgtcc cttaacttga ttctaagtaa aagcagcaag cagtgggtat 360
 ttaatatata aactcatcaa attccacata anacatttaa ccacagnttt aaaaactcca 420
 gtggccttta cactagctac cntgggag 448

<210> 651
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W20486

<220>
 <221> unsure
 <222> (1)..(378)
 <223> n = a or c or g or t

<400> 651
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 acnggccctt tcccctccgg ggaacgcgca ggaggaccg cggccccngg gttggaacaa 180
 acgcgtttac tgcaggcaag gcggcgggcn cggggcggtc tcaccaggcg aagaggggct 240
 tgcgtcctcc ttggagaagc tccgcacagg cagttgaagc agcagcagca agtcgcccag 300
 gaacttgggg ggcaccacgt cgatgaccag cttgcgcacg cggcccgggc ttgctgtgca 360
 aggggggttg gcgcgagg 378

<210> 652
 <211> 687
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W28214

<220>
 <221> unsure
 <222> (1)..(687)
 <223> n = a or c or g or t

<400> 652
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 ggctctttct gctttccctc tccttggccc tagatttgta atccatgaaa aagcacaagg 120
 tcctggctcc ttgcgggtac attctgggtc tctgtgttg gtggactctg ctctcactgt 180
 tcaccagca ctagcagtac cagatgggtc tgtggagtc tggggaatgg agagagcaca 240
 gtctgactcc ctgccaagta gccaggagtt gacttgccca tgggtccgctg gctttccac 300

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cacttcctac aggatgggat ctaagagact caagagctgg gtttctttca gnactctgta 360
ctgtcccaaa tagnaacaaa ntcacttngt ggccagattt ctgaatggaa atgagaaatt 420
gaattcagct tgggacttaa ccaggctgac tngntagggg ggnnnnnnncan nnnnnnnntn 480
gntcaannnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnn 687
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<210> 653

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W28548

<220>

<221> unsure

<222> (1)..(870)

<223> n = a or c or g or t

<400> 653

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ctcacaaaaa cacagggttg gatgaccatc atgtgccagc ggcataagggt ggggataacc 120
ctgagttcct ggtgcagaaa ataagattct cagtttttga ccttggattg agaaggacct 180
atgaaatcaa gatagacctg gagaatcctc cctgtcccca cccactcagg cacactcagc 240
tcaaccaaga gggaggccca aaccccagtg aagcccaagg ggcagagcca agctgtggat 300
atgtcagagt ttcttgggca tcttctctgc tgcctgcctc tttccaatct tgggtcagat 360
caggaagca ggaagtatgg gaagatccct gcatggcccc ttgaggggcat cctaattggga 420
cggaattggg gagtttctta tattttcatg aaatatccta tttngggctc ctngtggttg 480
tggaacttga gtgattctgn agggcaggag cctccagtga ngagttggna gggatcttgg 540
aaaactggnt ttnattttat ttgggtgggt cggaattcag ttgggcttaa ccaggntgac 600
ttgcaaaggg gggnnnnnnn nnnnnnnnnn ncnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnccc 870
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<210> 654

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W31470

<220>

<221> unsure

<222> (1)..(296)

<223> n = a or c or g or t

<400> 654

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cgctctccgc ggggtgaggca aggaanncgn ngagacgcnc gagccggtca ccacaaggctc 120
cgcttgagcc ccggccgtca cggacgtacc tactggatgc agatgggtcca gggatctggg 180
ggctctggga gagggtgtg tggactgcgg gccagctggg acaaaggcag gggcttcctc 240
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agaagctctg ctggtcacgc aggcgtccgg cccacggctt tcaacagccc tgcaag 296

<210> 655

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W33172

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 655

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gaggatatca tcaaattctga caatctggaa agcctttgaa actgttcttt tcctaagcac 120
agtattcagc tgtgtcctct tgaacccata tctatcaggt caacagcttt agcccattcc 180
acatgatatt ggctgtgggt ttgtcatata tagctcttat tattttgaga aaccgttcta 240
tcaataccta gtttattgag agtttttaag catgaaaggg ccttttgaaa tttttggctg 300
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<210> 656

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W33179

<400> 656

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gtacctcaaa cactgggata aaggaggcgg tccagggcaa tgcagtgatg tctgtcaaga 180
cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagaccc 240
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agcttcatct tctgattgtg ggctttggag gaacgagaga actggctctt gggcactgtg 360
gaggggtaca gctttgccac tcaaataac cttattgtgg gcattcaggg agccaggggtc 420
cagagctgca gggctgc 437

<210> 657

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W37778

<220>

<221> unsure

<222> (1)..(383)

<223> n = a or c or g or t

<400> 657

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tcataataga tcaagtaagt gtgaggaatg tgactgtggg ctacctacat cagctaacag 180
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aaggctcgtct agctatttat ctttcttctg tttctttcca actttttgct ttctcccttt 360
tctcctgtct tataaactag gga 383

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<210> 658

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W42778

<400> 658

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gaaaacaaaa atttattgct tctccttcca aagctttgtg aatttacaaa aaaaaggatg 60
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ccaccagcag cagctgtgca ctcgatcggt aaaactggct cccccagact tgtagtgtctg 180
tcttcagggg gctgcattcc ttacacgcca cctcttgtga cataggatcat tggccaagcc 240
gctggaatgc tacagagggt tttttgggtt tgagaggctt ttttttggtt tgccttctcta 300
ctataaaagc gaaattttca gttcatttct gaaaaataaa ttggtcaata aattcatttt 360
gttctgcttc tactttacac aaa 383

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<210> 659

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W44760

<400> 659

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<210> 660

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W45531

<400> 660

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<210> 661
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W45664

<220>
 <221> unsure
 <222> (1) .. (534)
 <223> n = a or c or g or t

<400> 661
 ttttttctta aagtcattta ttttcttcga gaactctgga cattccataa ctgggtgtgt 60
 agtatgagta gaatgaattc agtgctagcc tcttgctgga gagggacaag tgcaggttta 120
 gaattacagc ttatgtaga aggttctctt ctcacgata cttcatgtt agaagaaaga 180
 ggacagaggc agagctgatg gaatctcata aaataacagc taatgccgtg tgtcaggcac 240
 tatgcttaac aagtatctgt ttaacatgtg taaatgctct ttagctcttg cttttctata 300
 atataaaaca gtcctgggag tcctgttctt ccccttcctt tctctcgtgt cctttggact 360
 gtcttttngc agcctctggc ctttctcatt atctactaca gcttgctacc tgactcatca 420
 aaggcacatg ggtgttgcaa gagaggatgg gaaccgggtg gtttatacca ttaaactggc 480
 cattataaca gggagctata aggtggaaaa ataggagncc aggaaataaa gccg 534

<210> 662
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W46395

<220>
 <221> unsure
 <222> (1) .. (444)
 <223> n = a or c or g or t

<400> 662
 ttttttgcac ttgcgccaca caggacagtg gagccccacc tggtcagttc cacttccggg 60
 ctcccatgca cttgcccaag gcgccctctt tgggacgggg atggtttgag gaaacacttt 120
 taaagaaaaa aggaagacat tgaaagggtt tagtttcttc cctatctgca tgcctctca 180
 tatagaaagc ccagaattag gggctagaac tccaggagag ggtctccccg actcatctct 240
 tgctgacggt caccaggatg cagaaatagg gagatgggta gtggggggcca aagatgcccc 300
 ctcccaggcc ttctgtggtc cctctctcgc cccctgcaat ctttgggagg agtcagtgcc 360
 tcaactccagc agtgagtgcc tactgtatgc aggtagtcag ccaggcaaag agagactaac 420
 ggtctcatgg gggaacctct tgan 444

<210> 663
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. W49708

<400> 663

```
ttttttcacc gcagagatgt ttttattgaa atgcatgtta tgagtaaacac atgaactccc 60
tctggcccag gtgggacttc ttccctcata ggtgggtcag gccagtgagg acagtcttgg 120
tggtggtaag aagggagcca agtgacagaa ggtctccaag gcataggaga tgggtgtccgg 180
tgagtctggg gaaccgagga ttatgaagcc tgctggaagc cttggtatgg tatggttctt 240
ctcagctgtg gctgcagatt tctcttcatt ggctgcctcc tctgaaaaca gactcctctt 300
ttctgcaatt aatcttttaa ctctaccat ccactgactt gacctcagtc acatgggtcaa 360
ccatgagggg gcggtggatg tcatctgctg cgtcccaccg gtggcttgaa aagctcttgc 420
accagtagag ccattctctt ctttacaggg tattgacaac tttcctccaa gccactgtt 480
ccttgcaag 489
```

<210> 664

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W51743

<220>

<221> unsure

<222> (1) .. (678)

<223> n = a or c or g or t

<400> 664

```
cacaaaaaaa aaatcactaa aaattccac aaatcttgtt tctggcactt tagaaaaact 60
gcaaaaaaat acgtaataaa gaatacatat atatatatct acacacaaat tatatatcta 120
tctatctata cagcgggaacc acaagagaga ctgaggaagg cctggaggca ggggcagagg 180
tgacgacagt gccctatat ccttaaccca tactcctctg aggcaaacag gcatgggaaa 240
atggaagggg tgaggatgga cgggagaatt ggaacttcag aataggtcaa aattccaaaa 300
ccatggacat ttttttttgg gagaattgag attgtagaca tttttttttt cttaaatatg 360
atcaaggaaa atagcttcca gaatgtggtg gttctgggca acaaatgaga ttgtggcgac 420
gtggagatta aaatatatgt atttgagctg gggaatttga atattgtgag tttcagatgt 480
tggaattttg ggatttttga gttttgtctt ttgaaaatga tcaagtcttg tcagtctctg 540
ccctctttcc ccatgttccc tgggaagacg ggtgggtggc gagtgagaag gccactggtc 600
tgtgccgcac acgcaaaatt tagaatctcc agctagctct atcgtgtgag gnccagatta 660
gggaantgcc atattacc 678
```

<210> 665

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52065

<220>

<221> unsure

<222> (1) .. (453)

<223> n = a or c or g or t

<400> 665

```
tttttttttt ttttttcaga ggtcaaatca cttttattct ttaaggattc agtgtaacat 60
ccttttcttt aataaaataa ttaaactctg gcagaaatta acttattcaa aaagtcatac 120
```

```

taatacttttg ttatgacttt ttatagaaaa acaaacttta tttttttatt tttttgagat 180
ggagtcttgc tctgtcacct aggctggagc gcaatggcac gatctcagct cactgtagcc 240
tccacctccc aggttcaagc gattcccctg ccttagcctc ccgagtagct ggaattacag 300
gtgtgcgcta ccatgcctgg gctaattttt gtatttttag tagagatggg gtttcacat 360
gttgggaagg ctggtttcga actcctgacc tcaggtggat tcacccgcct tggcctccca 420
aagtggctgg gattataggc gtgacagcct gna 453

```

<210> 666

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52638

<220>

<221> unsure

<222> (1)..(466)

<223> n = a or c or g or t

<400> 666

```

ctcagtttgg gaccaaactg cttggatctt tgtaaaaacc cggttttgta tgtcaaggag 60
gagtttaagg cctttccgac caccttgtgt tccccttttc tgccgaccat gtatcacgtg 120
gagttgctcc ttaccacacc tcacgtgccc ctgagcccta tttcctgatt tcttctgggc 180
tggacttccc cgttctccac cagcagctcc agtatcccaa actttctagt cctgctgac 240
ctcccagcaa cgggggtggaa actggagggc agtgtctggc ctgttttcta agaaacttat 300
gaattctatt atctttacaa atatgagaaa attttttcaa ttttttttat taatcttttt 360
ataaaatgaa aagaaactcc tatgatcgat taaggaaggc gggttatggc ggtggttca 420
gggggttttt tgggtttcnt tttttttttt cnttgtcctt ttaacg 466

```

<210> 667

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52858

<400> 667

```

cacggccaaa atccataaag attataaaaag caaactaagt tgtgaagcta tagtacatgt 60
aggcatttag ttaagtatag caattcaaac tgacctgcat ccatccaaaa caaatcctc 120
cttcaacctt atttttactt gaaatttgct agaagaaata gcaaaccga aatttgttt 180
atgcatgagt taataccact ggctcagcaa atacaagtta gtttgcttta agcaggtaac 240
tttttttgta atggaacgaa atgcactaca aagttaagac agatttttgc taagtgcagg 300
aggcccttta ttattgctgc agaaaacaaa agcctggctg agttgatgtt ttacattctc 360
ccttactgaa atctacatga catgatgctt cttgctgggt ttttgtacat ggtaaacatt 420
ggtcaagctg tgaaagaaaa tgggctggag gtgtgctttg gtgtggaaag ggtgagcaat 480
aaaggtatcc ggttaagtcc cccaaaaaaa a 511

```

<210> 668

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W56792

<400> 668
catcattttt tattgtaaga aaatacacag tttgaaagtg tgaataatgc aatattttatg 60
accaagaaat gggacttagg aaggggaagg aagataaaga aaaagatcaa gatgatctga 120
ttgagagaca gtgttgaact ccaaatactg aactggaaaa ggagggagggt ggggaggaac 180
aggaggagga agtaaaaaaa tttgatcaga gaaacagtta aaatacaata tgaaaataag 240
taatacctct ccttaaattc cttctataca caaaatacac gatttgccaa agcccaattt 300
gtgctactgg gattctgtga gctccttaag tgtattcaca tcctctgcaa cagcagaaaa 360
tgattatgat acaatcagaa tatgctgaag acaagttaaa ctcttgccag caggttcctt 420
aaaaat 426

<210> 669

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W57931

<220>

<221> unsure

<222> (1) .. (426)

<223> n = a or c or g or t

<400> 669
tttttttttt tttttgggag gcaggagttg ctttttattg acttggaagt gggctcttca 60
gtgaagcccc tttggtnta agagcatttt cctgcttctt ttgttcttcc tgcaacttct 120
gctgctgag ctgccatgct tgtaatccag cgtccatttc ctgtgacagc agtacaactc 180
gtcttgcaaa cgtctccctt tcagcttttc ttcgaagctg gcctttcatt gggggagcag 240
ggcggccatc cgattatgac cagtctggga gctcggtaag gggcccgtaa gccgganggg 300
ttggcagcca agtccctgct gtantcgcca ctggccgccc gcccaagcgg ttacnttgca 360
gtgcaccctt ccggacacct gtgaagagaa cagtccctaa agcagccatg tgagcagcct 420
cgtgcc 426

<210> 670

<211> 98

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W60186

<400> 670
aacttacaaa caaaaatacc gtaataataa acccaaacaa agaccctcag cttgctgcca 60
cgttctctat gcggtttggc ggggcgggta ttacaag 98

<210> 671

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W63793

<220>

<221> unsure

<222> (1) .. (597)

<223> n = a or c or g or t

<400> 671

```
ggaactgaga aaacagcaaa gttgactaaa ttttatattt cttgtcctct aaatattttg 60
ataatttctg gattgatgca gtgatgtttt tgttccttcc gtatttataa atgaaacacc 120
tttttttagt gtttctaaac ctaaaatcta cttggtttga aatcaagtgg ttggaacact 180
gtttgacttt tatttgaagc atgttggtga ttgaaaattt cattgaggaa gttttcaatc 240
agtgtgatca gtttgattct gtaatgagca cagcacctaa tattttgagg agctctgttt 300
tgaggaccaaa tgcttaaggt ggactttgtt cgtaaacaat atcccaatag atttgttgac 360
ttgaggctctg gtttggtttt gtttttgttt tgttttgttt tgttttgttt ccaatagaat 420
taagaattct aatgttgaaa aactgcacaa atttttatgg gacaaagcct agaaaagaga 480
aatgtagttt gaatcataac caaaaccacg gatgatagaa gagggaaagt ttggggccat 540
aatttctcct tcactggtgt tgacctaaac cgttggaaag gaattccggn cccaatt 597
```

<210> 672

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67225

<400> 672

```
ttttgtgttc caataaaatt ttattaacaa aatatgacag tggggggggcc acagtttgcc 60
aaactttgcc ttggaggaca tgcagaggca ccctcagaat tcagtgaanaa cctgctccca 120
tattgctaag actcatgaag tataatctct catcttcttt ctctttcccc tgcccaagcc 180
ctaagttagg gttcccatcc atataacaaa gacttctggt cagggtggcat ttgctatctc 240
tgagattccc tgcccatgaa agccacaaaag agatttcttc ttttacacac cctgaagcat 300
attatggccc cagcaaggct aactaaatca aactgtggtt taaaaacaaa acaaaccaac 360
cactgtgaaa tatttatttt tgtttttag tagttaagcat gattaaacca gtgcagaaaa 420
atactaagta cattgggtaa aagatga 447
```

<210> 673

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67577

<220>

<221> unsure

<222> (1)..(411)

<223> n = a or c or g or t

<400> 673

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ctaattacta ccttttattc taatgtgaac catgggccct ggaaagctga taacaagctt 60
ggctgagcag agggaaactag gggtcaggca gaaaggatta tgggntggaa aacattggct 120
cttccttggg nagtgatgc tngggaaagg ggaagagagt ggctcancct ggcaggtaaa 180
taggctagaa aagccaaggc caaanctggn gaggggagag gacagtcagc atgtccagcc 240
tggggctctg gtgtaagggg tatcccttct ccctggtgcc ttcccatctc gtccatgagc 300
ctaaggctct gggagccttg tgttgggagg ctgctgtgat gtcagggaaac ggggatctgt 360
ctagcttttg gccacttctt ggggacctca caccctgtt tganaaattg g 411
```

<210> 674

<211> 473

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W69302

<400> 674
gctttcgggtg gttccttggt gactgggaat tgcttgtgtg catgtgttgg gtgcatgctt 60
ccgggtctca gctgccccag gcccgcacag gcaaccctt cccatccaaa gccattggtg 120
gagcttctct ggaatcattt gccaaaagcc caaggcagaa tccaagggtc caagaccatt 180
tccatggagc tcatgttttt cttttctgta ggaacttttt tttaaccagc acccaccata 240
attccgaagc cacgtttcat ctttcctgga tcactacagt gaagtattac acgttgtaca 300
cgttcccagt ctggccttgg cttgctcgga taaaactttg tatgtatttt gtatggcata 360
gattctatat tgtaatgatg tcctatgcaa aaagagaaat taacgaaatt gtaaatttta 420
ttgttttaac gtgtatgcat gtttagtgac gtttacattt tgaaataaaa ttt 473

<210> 675
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W70131

<400> 675
gttttttgac ttcatttatt atataaggaa cctaactcaa attggcttaa gcaattaata 60
aatgtttatt gttacattgt tgtaatgtgg ctggaaatcc agaagtcata caaatctgtc 120
aggattgg 128

<210> 676
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W70167

<220>
<221> unsure
<222> (1) .. (428)
<223> n = a or c or g or t

<400> 676
cagttctgtc ctttcgagaa aaacgtggaa tcgacgagga ctttcctgca gacggtgagc 60
agtgagaagg tccgtccac taatctcaac tgctcagtga ttgctggacgt gaggcattgac 120
ggctccgagc cctgcgtcgg acgtgctgtt cggagacggg catcgctcga ttatgcgcgg 180
cgtcatctca ccgctctgga aatgctcacc gccttcgcct cccacatccg ggccagggac 240
gcggcgggca gcggggacaa gccggggcgt gatactggtc gctgacagcg ccaaagagac 300
caacaagatg atttttagcgt ggactaggac acttaaccta agaagagttt cacttaatca 360
ttcaaatcac tatctgaagg gtcacggagc gcaaaataaa gtttaaaacc ctgctaccaa 420
aaaaaaaa 428

<210> 677
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W73038

<400> 677
tttttttttt ttttttaaaa atcagatggg gacttttattg tgatgggtggc aggtccacca 60
gcagatgcaa atgtggggtg ctgagagtgg caacacaggc caccctaaac caacttcact 120
ccctcccttg tcctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
caggcagagt ccaagggagg ggtgtcaggg tcagaagtca caggagagccc agtgactatc 240
aaggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300
ccaggtggcc caaagcaaca cagaggagca agggctggca ttcaagtcag caggtccct 359

<210> 678
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W73790

<220>
<221> unsure
<222> (1) .. (620)
<223> n = a or c or g or t

<400> 678
ctggttgaca aagaggggtat ttattgaggg tttactgggt acanggagaa gggctggatg 60
gcttgggatg cagagagaga cccttcccct gggatcctgc agctccaggc ccctttgggt 120
ggggtcgggg ctgggaacct atgaacattc tgcaggggcc accgtcttct ccacggtgct 180
cccttcgtgc atgacctggc agctgtagct tctgcgggac ctccactgct cgggcgtcag 240
gctcaggtag ctgctggccg cgtacttggt gttgctctgt ttggagggcg tggtcattctc 300
cacgccctgg gtgatggggg taccatctgc cttccaggtc accgtcaaga ttcccggata 360
aaagtcatte atgagacaca ccagtgtagc cttgttggct tggagctcct cagaggacgg 420
cggaacaga gtgaccgagg ggggtggcctt ggntgactta aaacggtgag ctgggtcccg 480
ctgccaaaca catgcgtcac tgagttatgc ttggattgaa accccggggc cancaacttg 540
ggcagtcag gagccgcctt gaacaggaac ctgcccaccg gttcctaagc ttgaccgctg 600
nttctccagg gtccaggnc 620

<210> 679
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W73859

<220>
<221> unsure
<222> (1) .. (697)
<223> n = a or c or g or t

<400> 679
tggacacgct caggctggcg tccagctaca tgcgccactt gaggcagatc ctggctaacg 60
acaaatacga gaacgggtac attcaccggt tcaacctgac gtggcccttt atgggtggccg 120
ggaaacccga gagtgacctg aaagaagtgg tgaccgcgag ccgcttatgt ggaaccaccg 180
cgtcctgacc ttggaggtgc gagtctggga aaggcgcgct cccgggggga ngcgcnct 240
gggaaggcga cccctgccct cagtgtctctc tgtctctgct tccccctcgc aatgtctctc 300

```

tctctgtccc accccgcgag aacactttac aacgacgagg agattcgttt ccaaaccaga 360
ggagatcaat tgtacttaca aagattccca tctatttaac tttattaact tctaccgtga 420
atgactctgc aagccttgct ggtccaagtg caatatgtaa ttataaatat ataaatagat 480
aagagcctat caatgtatct tttgtacaat atgttgtaaa atgtagatca taggatagct 540
gactttgaca gtcacattta taaagtaatt cacttaaaga tatatatattt tccaacaagt 600
ttgcactttt gaaataaacc ttctttatat gctaaaaaaa aaaaaaagat nggcggantt 660
tccttggggg gtaattantt gatgcgcgtt aangcgg 697

```

<210> 680

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W74533

<220>

<221> unsure

<222> (1)..(676)

<223> n = a or c or g or t

<400> 680

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tttttcagtt ggacacaaat gtattttattt taccctagca atagaacaaa atataatttc 60
tttagccatt tttcatgaga atagttcatt gtacagttga ggaaacatat gaaataaggc 120
ctgtggttga ttgctagtgg ttaagcatgt tttcaatctt tgccttaatg taaaagattt 180
gcagtgaact gcaaaactgat gcagaatata tctcctgctt ttccaagtct tgtcaggaat 240
agtaagggtac agtaaatttg tcccacagga ttttaaagcc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata ttacaaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttcacaatt tctctaaaca gcagcagaat 420
cttaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaaattca cagaactgca aggttcagtc 540
acttttttac accagagaac cacagggtcaa gagcactctt caagcagagt tgaggggactg 600
cgnagccaat ggtgccttat tattaaacc gcctgggcct ggatccttagc tgagataagn 660
tgtaccacgc atgcct 676

```

<210> 681

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W76181

<220>

<221> unsure

<222> (1)..(487)

<223> n = a or c or g or t

<400> 681

```

cgaggagtcg gggcaaagct gggcctgcgt gagattcgca tccacttatg tcagcgctcg 60
cccggcagcc aggggtcagg gacttcattg agaaacgcta cgtggagctg aagaaggcga 120
atcccagacc acccatccta atccgcgaat nctccgatgt gcagcccaag ctctgggccc 180
gctacgcatt tggccaagag acgaatgtcc ctttgaacaa cttcagtgtc gatcaggtaa 240
ccagagccct ggagaacggt ctaagtggta aagcctgaag cctccactga ggattaagag 300
caacagcccc agagcctggg ctctgctgga cttagtataa tgtgaaaaaa atgtgttctc 360
ctattcctca taaagcttgt gctgtaaaaa actttctcag ggtgttcttg tcctcatcta 420

```

ccctctaccc cttactgtgc aaccactgag gcaaagtagc ttaatatataa aataaaaactt 480
tattctggtc tcaaaa 496

<210> 682
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W78127

<400> 682
gaaaagacgt gcttgtcatt ctttaataaac aactagagta agaatacata agagaaacag 60
agtggatatct ttatatgata cacaagtgtg tgttacaaga attccatcag gcacaggagc 120
ctcagggtttt aaggcctcaa tgttaggcca acaaaaaaaaa aaaaggcatg gtaaagtttt 180
tactttttaca tctaaaatgt cacttgtcat aaaggagggt gtaatatagaaa ttgtctttta 240
taaatacataa ttgaagttcc cctcattttt cttccattaa gatgctaagt ttatgtctga 300
tcatgaagaa agaaa 315

<210> 683
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W86513

<220>
<221> unsure
<222> (1)..(418)
<223> n = a or c or g or t

<400> 683
ccagtgaac tcattttatt ttcagctgaa aaatatacac agataagcat taaaattgaa 60
ttatttatagg ttttctgaaa ataaaaatttt acaataactta tgtttaacaa agattaaaaa 120
attcaaacaa atcaggaagg cacaggtcct gtaaaatgta ataaagaatt tagtccatac 180
cttgatgcat agtgggtggca ttaaattggca caatttttcg gtatcatgcc tgccctgcctt 240
agatctcaaa cagacctact ctcttttcct tctttctcat ctttaacaaac ttttgataat 300
caagcatcat agtatgacaa agagagtaac aagagctgtg caggccagca catccagaga 360
gcagtactga aaccaggtga gcttgtgggc aggtngcagc aggtacttgg gctccatt 418

<210> 684
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W88568

<400> 684
gttttttaac attttaattt caacgtgccg gcatttgtcc aaatgagatg atacaggcta 60
gaatgcacgg cggaattcca gactggactc actccataag ccaactcacc actgcccgtg 120
aacatgaatt ctggctctca gagaagctga cattgtttcc ctgaacattc ccgtgggtctc 180
cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240
ctccgagact gacgattatt aacca 265

<210> 685
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W92207

<220>
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<213> Homo sapiens

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<211> 1391

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X57129

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<210> 709

<211> 1450

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X57348

<400> 709

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<210> 710

<211> 915

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X57809

<400> 710

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<210> 711

<211> 1195

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X59766

<400> 711

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<210> 712

<211> 2152

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X62320

<400> 712

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<210> 713
<211> 367
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X64177

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aaaaaaa 367

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<210> 714
<211> 439
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X65614

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<400> 714
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aaagtgtttg ttggcaatta ttcccctagg ctgagcctgc tcatgtacct ctgattaata 420
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<211> 6004

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X65965

<220>

<221> unsure

<222> (1)..(6004)

<223> n = a or c or g or t

<400> 715

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<211> 813
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X66141

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```

```

<210> 717
<211> 2390
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X66899

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<213> Homo sapiens

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<223> Genbank Accession No. X72841

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X76180

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<211> 415

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X76717

<400> 720

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<213> Homo sapiens

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<213> Homo sapiens

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<223> Genbank Accession No. X85785

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<213> Homo sapiens

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<210> 732

<211> 2038

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z11793

<400> 732

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<213> Homo sapiens

<220>
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<211> 270
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38744

<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t

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caacacacag tcatgctgga aggcatctctg tcttactctg ttggtttcat gttaaagtgtt 180
ggggtgactc attccgcctc ttctnttctc aagttccagg cttcttgggt agaccaaacc 240
taatacacia tgtagagca cacaagagac 270

<210> 735
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38785

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acagcacatc tgtacaccct catggtgccc tgaccacaca gcagcca 287

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<211> 323
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39904

<220>

<221> unsure

<222> (1)..(323)

<223> n = a or c or g or t

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tacaattact ttacataaat ngaaatccac gtctttatta gtaatgtnc acacatctta 240
gagtaaaaaat ttacataaga taggcttata aatatacata aatctcaaaa ttaatcacia 300
acattaggta cacaattgtt ata 323
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<210> 737

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39983

<400> 737

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acacagcatc atgggggatg agctggggct ggagtcggct gtatctgaca ccagaccctc 240
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. Z40186

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<221> unsure

<222> (1)..(254)

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cgctgggtgta aatg 254
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<211> 346

<212> DNA
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<220>
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<212> DNA
<213> Homo sapiens

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<210> 741
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z40898

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gcagtgacat tcaccatcat gggaaacacc ttcccttttc ttcaggattc tctgtagtgg 240
aagagagcac ccagtgttgg gctgaaaaca 270

<210> 742
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z41642

<220>
 <221> unsure
 <222> (1)..(333)
 <223> n = a or c or g or t

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<210> 743
 <211> 1569
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<223> Genbank Accession No. Z69881

<400> 744

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<212> DNA

<213> Homo sapiens

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<221> unsure

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<223> n = a or c or g or t

<400> 745

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